

**IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE**

BLUE SPIKE LLC

Plaintiff,

v.

COMCAST CABLE  
COMMUNICATIONS MANAGEMENT,  
LLC;

COMCAST CABLE  
COMMUNICATIONS, LLC D/B/A  
XFINITY

Defendants.

**Civil Action No. 1:18-CV-01406-MN**

**JURY TRIAL DEMANDED**

**FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiff Blue Spike LLC (“Blue Spike” or “Plaintiff”), for its First Amended Complaint against Defendants Comcast Cable Communications Management, LLC and Comcast Cable Communications, LLC d/b/a Xfinity, (collectively referred to herein as “Comcast” or “Xfinity” or “Defendant”), alleges the following:

**NATURE OF THE ACTION**

1. This is an action for patent infringement arising under the Patent Laws of the United States, 35 U.S.C. § 1 *et seq.*

**THE PARTIES**

2. Plaintiff Blue Spike is a limited liability company organized under the laws of the State of Texas with a place of business at 1820 Shiloh Road, Suite 1201-C, Tyler, Texas 75703.

3. Upon information and belief, Defendant Comcast Cable Communications, LLC d/b/a Xfinity is a limited liability company organized under the laws of the State of Delaware with a place of business at 1701 John F Kennedy Boulevard, Philadelphia, Pennsylvania, 19103.

4. Upon information and belief, Defendant Comcast Cable Communications Management, LLC is a limited liability company organized under the laws of the State of Delaware with a place of business at 1201 Market Street, Suite 2201, Wilmington, Delaware 19801.

5. Upon information and belief, Comcast sells, offers to sell, and/or uses products and services throughout the United States, including in this judicial district, and introduces infringing products and services into the stream of commerce knowing that they would be sold and/or used in this judicial district and elsewhere in the United States.

#### **JURISDICTION AND VENUE**

6. This is an action for patent infringement arising under the Patent Laws of the United States, Title 35 of the United States Code.

7. This Court has subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338(a).

8. Venue is proper in this judicial district under 28 U.S.C. § 1400(b).

9. This Court has personal jurisdiction over Comcast under the laws of the State of Delaware, due at least to their substantial business in Delaware and in this judicial district, directly or through intermediaries, including: (i) at least a portion of the infringements alleged herein; and (ii) regularly doing or soliciting business, engaging in other persistent courses of conduct and/or deriving substantial revenue from goods and services provided to individuals in the State of Delaware. Further, this Court has personal jurisdiction and proper authority to exercise venue over Comcast because both defendants are incorporated in Delaware and by

doing so has purposely availed itself of the privileges and benefits of the laws of the State of Delaware.

## **BACKGROUND**

### **THE '246, '295, AND '408 PATENTS**

#### **The Invention**

10. Scott A. Moskowitz and Michael Berry are the inventors of U.S. Patent Nos. 7,475,246 (“the ’246 Patent”). A true and correct copy of the ’246 Patent is attached as Exhibit A.

11. Scott A. Moskowitz and Michael Berry are the inventors of U.S. Patent Nos. 8,739,295 (“the ’295 Patent”). A true and correct copy of the ’295 Patent is attached as Exhibit B.

12. Scott A. Moskowitz is the inventor of U.S. Patent No. 9,934,408 (the ’408 Patent”). A true and correct copy of the ’408 Patent is attached to Exhibit C.

13. The ’246, ’295, and ’408 Patents resulted from the pioneering efforts of Messrs. Moskowitz and Berry (for the purposes of this section, “the Inventors”) in the area of secure distribution of digitized value-added information, or media content, while preserving the ability of publishers to make available unsecured versions of the same value-added information, or media content, without adverse effect to the systems security. These efforts resulted in the secure personal content server memorialized in mid-2000. At the time of these pioneering efforts, the most widely implemented technology used to address unauthorized copying and distribution of digital content was focused solely on cryptography. In that type of system, content could be encrypted, but there was no association between the encryption and the actual content. This meant that there could be no efficient and openly accessible market for tradable

information. The Inventors conceived of the inventions claimed in the '246, '295, and '408 Patents as a way to separate transactions from authentication in the sale of digitized data.

14. For example, the Inventors developed methods and systems which enable secure, paid exchange of value-added information, while separating transaction protocols. The methods and systems improve on existing means for distribution control by relying on authentication, verification and authorization that may be flexibly determined by both buyers and sellers. These determinations may not need to be predetermined, although pricing matrix and variable access to the information opens additional advantages over the prior art. The present invention offers methods and protocols for ensuring value-added information distribution can be used to facilitate trust in a large or relatively anonymous marketplace (such as the Internet's World Wide Web).

**Advantage Over the Prior Art**

15. The patented inventions disclosed in the '246 Patent, the '295 Patent, and the '408 Patents provide many advantages over the prior art, and in particular improved the operations of secure personal content servers. *E.g.*, Exhibit A, '246 Patent at 2:24–64; Exhibit B, '295 Patent at 2:39–65; Exhibit C, '408 Patent at 2:55–3:15. One advantage of the patented invention is the handling of authentication, verification, and authorization with a combination of cryptographic and steganographic protocols to achieve efficient, trusted, secure exchange of digital information. *E.g.*, Exhibit A, '246 Patent at 1:53–56; Exhibit B, '295 Patent at 1:27–30; Exhibit C, '408 Patent at 1:42–45.

16. Another advantage of the patented invention is leveraging the benefits of digital information (such as media content) to consumers and publishers, while ensuring the development and persistence of trust between all parties. *E.g.*, Exhibit A, '246 Patent at 3:16–30; Exhibit B, '295 Patent at 3:32–47; Exhibit C, '408 Patent at 3:49–64.

17. Another advantage of the patented invention is the separation and independent quantification of interests and requirements of different parties to a transaction by market participants in shorter periods of time. *E.g.*, Exhibit A, '246 Patent at 3:32–51; Exhibit B, '295 Patent at 3:47–67; Exhibit C, '408 Patent at 3:65–4:18.

18. Because of these significant advantages that can be achieved through the use of the patented invention, Blue Spike believes that the '246 Patent, '295 Patent, and the '408 Patents present significant commercial value for companies like Comcast. Indeed, the technology described and claimed in the '246 and '295 Patents reads on the core functionality of Comcast's Xfinity product and services.

#### **Technological Innovation**

19. The patented invention disclosed in the '246 Patent, '295 Patent, and the '408 Patents resolves technical problems related to the secure distribution of digitized value-added information, or media content, while preserving the ability of publishers to make available unsecured versions of the same value-added information, or media content, without adverse effect to the systems security. As the '246 and '295 Patents explain, one of the limitations of the prior art as regards the secure distribution of digitized value-add information or media content was that content could be encrypted, but there was no association between the encryption and the actual content. This meant that there could be no efficient and openly accessible market for tradable information. *See* Exhibit A, '246 Patent at 1:48–56; Exhibit B, '295 Patent at 1:22–26.

20. The claims of the '246 Patent, '295 Patent, and the '408 Patents do not merely recite the performance of some well-known business practice from the pre-Internet world along with the requirement to perform it on the Internet. Instead, the claims of the '246 Patent, '295 Patent, and the '408 Patents recite inventive concepts that are deeply rooted in engineering

technology, and overcome problems specifically arising out of how to secure distribution of digitized value-added information, or media content, while preserving the ability of publishers to make available unsecured versions of the same value-added information, or media content, without adverse effect to the systems security.

21. In addition, the claims of the '246 Patent, '295 Patent, and the '408 Patents recites inventive concepts that improve the functioning of secure personal content servers, particularly varying quality levels in a manner designed to improve security.

22. Moreover, the claims of the '246 Patent, '295 Patent, and the '408 Patent recite inventive concepts that are not merely routine or conventional use of computer components. Instead, the patented invention disclosed in the '246 Patent, '295 Patent, and the '408 Patents provides a new and novel solution to specific problems related to improving secure distribution of digitized value-added information, or media content, while preserving the ability of publishers to make available unsecured versions of the same value-added information, or media content, without adverse effect to the systems security.

23. And finally, the patented invention disclosed in the '246 Patent, '295 Patent, and the '408 Patents does not preempt all the ways that secure distribution of digitized value-added information, or media content, while preserving the ability of publishers to make available unsecured versions of the same value-added information, or media content, without adverse effect to the systems security may be used to improve the personal content servers, nor do the '246 Patent, '295 Patent, and the '408 Patents preempt any other well-known or prior art technology.

24. Accordingly, the claims in the '246 Patent, '295 Patent, and the '408 Patents recite a combination of elements sufficient to ensure that the claim in substance and in practice amounts to significantly more than a patent-ineligible abstract idea.

**Prior Litigation**

25. The '246 Patent was previously litigated in the District of Delaware: 1:18-cv-01427; 1:17-cv-00928.

26. The '246 Patent was previously litigated in the Northern District of California: 5:17-cv-04780.

27. The '246 Patent was previously litigated in the Central District of California: 8:17-cv-01172; 2:17-cv-05656.

28. The '246 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00138 (E.D. Tex.); 6:17-cv-00063 (E.D. Tex.); 6:17-cv-00096 (E.D. Tex.); 6:17-cv-00099 (E.D. Tex.); 6:17-cv-00175 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 6:17-cv-00101 (E.D. Tex.); 2:16-cv-00329 (E.D. Tex.); 6:17-cv-00060 (E.D. Tex.); 6:17-cv-00100 (E.D. Tex.); 6:17-cv-00097 (E.D. Tex.); 6:17-cv-00098 (E.D. Tex.).

29. Collectively, these cases may be referred to as the "Prior '246 Patent Litigation."

30. The scope and construction of the claims of the '246 Patent have been clarified by the Prior Litigation.

31. The '295 Patent was previously litigated in the District of Delaware: 1:18-cv-01427; 1:17-cv-00928.

32. The '295 Patent was previously litigated in the Northern District of California:

5:17-cv-04780.

33. The '295 Patent was previously litigated in the Central District of California:

8:17-cv-01172; 2:17-cv-05656.

34. The '295 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00138 (E.D. Tex.); 6:17-cv-00063 (E.D. Tex.); 6:17-cv-00096 (E.D. Tex.); 6:17-cv-00099 (E.D. Tex.); 6:17-cv-00175 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 6:17-cv-00101 (E.D. Tex.); 2:16-cv-00329 (E.D. Tex.); 6:17-cv-00060 (E.D. Tex.); 6:17-cv-00100 (E.D. Tex.); 6:17-cv-00097 (E.D. Tex.); 6:17-cv-00098 (E.D. Tex.).

35. Collectively, these cases may be referred to as the "Prior '295 Patent Litigation."

36. The scope and construction of the claims of the '295 Patent have been clarified by the Prior Litigation.

37. The '408 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

38. The '408 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.).

39. Collectively, these cases may be referred to as the "Prior '408 Patent Litigation."

40. The scope and construction of the claims of the '408 Patent have been clarified by the Prior Litigation.



## **THE '116 AND '011 PATENTS**

### **The Invention**

41. Scott A. Moskowitz is the inventor of U.S. Patent Nos. 7,159,116 (“the ’116 Patent”). A true and correct copy of the ’116 Patent is attached as Exhibit D.

42. Scott A. Moskowitz is the inventor of U.S. Patent Nos. 8,538,011 (“the ’011 Patent”). A true and correct copy of the ’011 Patent is attached as Exhibit E.

43. The ’116 Patent and the ’011 Patent resulted from the pioneering efforts of Mr. Moskowitz (hereinafter “the Inventor”) in the area of transferring information between parties. These efforts resulted in the development of systems, methods, and devices for trusted transactions memorialized in mid-2000. At the time of these pioneering efforts, the most widely implemented technology used to address the difficulty of providing to a prospective acquirer of good or services full, accurate, and verifiable information regarding the nature, value, authenticity, and other suitability-related characteristics of the product in question. In that type of system, reciprocal and non-reciprocal systems could use non-secret algorithms to provide encryption and decryption. The Inventors conceived of the inventions claimed in the ’116 and ’011 Patents as a way to enhance trust on the part of participants in the transaction.

44. For example, the Inventors developed methods and systems which enhance trust in transactions in connection with sophisticated security, scrambling, and encryption technology by, for example, steganographic encryption, authentication, and security means.

### **Advantage Over the Prior Art**

45. The patented inventions disclosed in the ’116 Patent and the ’011 Patents provide many advantages over the prior art, and in particular improved the operations of transaction devices. *E.g.*, Exhibit D, ’116 Patent at 3:38–7:67; Exhibit E, ’011 Patent at 3:42–7:60. One

advantage of the patented invention is the handling of authentication, verification, and authorization with a combination of cryptographic and steganographic protocols to achieve efficient, trusted, secure exchange of digital information. *E.g.*, Exhibit D, '116 Patent at 3:46–51; Exhibit E, '011 Patent at 3:50–57.

46. Another advantage of the patented invention is leveraging the benefits of digital information (such as media content) to consumers and publishers, while ensuring the development and persistence of trust between all parties. *E.g.*, Exhibit D, '116 Patent at 3:16–30.

47. Another advantage of the patented invention is the integration of system components, optimally requiring comparatively little processing resources so as to maximize its usefulness and minimize its cost. *E.g.*, Exhibit D, '116 Patent at 3:52–55; Exhibit E, '011 Patent at 3:53–57.

48. Because of these significant advantages that can be achieved through the use of the patented invention, Blue Spike believes that the '116 Patent and '011 Patents present significant commercial value for companies like Comcast. Indeed, the technology described and claimed in the '116 and '011 Patents reads on the core security functionality of Comcast's downloadable apps.

#### **Technological Innovation**

49. The patented invention disclosed in the '116 and '011 Patents resolves technical problems related to transferring information between parties, particularly problems related to the utilization of sophisticated security, scrambling, and encryption technology by, for example, steganographic encryption, authentication, and security means. As the '116 and '011 Patents explain, one of the limitations of the prior art as regards the technical problems related to

transferring information between parties was the difficulty of providing to a prospective acquirer of good or services full, accurate, and verifiable information regarding the nature, value, authenticity, and other suitability-related characteristics of the product in question. In that type of system, reciprocal and non-reciprocal systems could use non-secret algorithms to provide encryption and decryption. *See* Exhibit D, '116 Patent at 2:53–3:35; Exhibit E, '011 Patent at 2:57–3:38.

50. The claims of the '116 and '011 Patents do not merely recite the performance of some well-known business practice from the pre-Internet world along with the requirement to perform it on the Internet. Instead, the claims of the '116 and '011 Patents recite inventive concepts that are deeply rooted in engineering technology, and overcome problems specifically arising out of how to enhance trust on the part of participants in the transaction.

51. In addition, the claims of the '116 and '011 Patents recite inventive concepts that improve the functioning of devices for conducting trusted transactions, particularly by creating a bridge between mathematically determinable security and analog or human measure of trust.

52. Moreover, the claims of the '116 and '011 Patents recite inventive concepts that are not merely routine or conventional use of computer components. Instead, the patented invention disclosed in the '116 and '011 Patents provides a new and novel solution to specific problems related to enhancing trust on the part of participants in a transaction.

53. And finally, the patented inventions disclosed in the '116 and '011 Patents do not preempt all the ways that enhancing trust on the part of participants in a transaction may be used to improve devices for trusted transactions, nor do the '116 and '011 Patents preempt any other well-known or prior art technology.

54. Accordingly, the claims in the '116 and '011 Patents recite a combination of elements sufficient to ensure that the claim in substance and in practice amounts to significantly more than a patent-ineligible abstract idea.

**Prior Litigation**

55. The '116 Patent was previously litigated in the District of Delaware: 1:18-cv-01402; 1:18-cv-01427; 1:17-cv-00928.

56. The '116 Patent was previously litigated in the Northern District of California: 5:18-cv-03392; 5:17-cv-04780.

57. The '116 Patent was previously litigated in the Central District of California: 8:17-cv-01172; 2:18-cv-04525; 2:18-cv-05026; 2:18-cv-05391; 2:18-cv-03970; 2:18-cv-05396.

58. The '116 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00382 (E.D. Tex.); 6:18-cv-00381 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00016; 6:16-cv-01384 (E.D. Tex.); 6:17-cv-00063 (E.D. Tex.); 6:17-cv-00096; (E.D. Tex.); 6:17-cv-00099 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 6:17-cv-00101 (E.D. Tex.); 17-cv-00060 (E.D. Tex.); 6:17-cv-00100 (E.D. Tex.); 6:17-cv-00097 (E.D. Tex.); 6:17-cv-00098 (E.D. Tex.).

59. Collectively, these cases may be referred to as the "Prior '116 Patent Litigation."

60. The scope and construction of the claims of the '116 Patent have been clarified by the Prior Litigation.

61. The '011 Patent was previously litigated in the District of Delaware: 1:18-cv-01427; 1:17-cv-00928.

62. The '011 Patent was previously litigated in the Northern District of California:

5:17-cv-04780.

63. The '011 Patent was previously litigated in the Central District of California:

8:17-cv-01172; 2:17-cv-05656.

64. The '011 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00138 (E.D. Tex.); 6:17-cv-00063 (E.D. Tex.); 6:17-cv-00096 (E.D. Tex.); 6:17-cv-00099 (E.D. Tex.); 6:17-cv-00175 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 6:17-cv-00101 (E.D. Tex.); 6:17-cv-00060 (E.D. Tex.); 6:17-cv-00100 (E.D. Tex.); 6:17-cv-00097 (E.D. Tex.); 6:17-cv-00098 (E.D. Tex.).

65. Collectively, these cases may be referred to as the "Prior '011 Patent Litigation."

66. The scope and construction of the claims of the '011 Patent have been clarified by the Prior Litigation.

## **THE '602 AND '842 PATENTS**

### **The Invention**

67. Scott A. Moskowitz is the inventor of U.S. Patent No. 9,021,602 ("the '602 Patent"). A true and correct copy of the '602 Patent is attached as Exhibit F.

68. Scott A. Moskowitz is the inventor of U.S. Patent No. 9,104,842 ("the '842 Patent"). A true and correct copy of the '842 Patent is attached as Exhibit G.

69. The '602 Patent and the '842 Patent resulted from the pioneering efforts of Mr. Moskowitz (for the purposes of this section, "the Inventor") in the area of protection of digital information. These efforts resulted in the development of systems, methods, and devices for data protection memorialized in the mid-2000s. At the time of these pioneering efforts, the most widely implemented technology used to address the difficulty of protecting intellectual property

was copy protection. In that type of system, however, the cost of developing such protection was not justified considering the level of piracy that occurred despite the copy protection. The Inventor conceived of the inventions claimed in the '602 and '842 Patents as a way to combine transfer functions with predetermined key creation.

70. For example, the Inventor developed systems and methods that protect digital information by identifying and encoding a portion of the format information. Encoded digital information, including the digital sample and the encoded format information, is generated to protect the original digital information.

**Advantage Over the Prior Art**

71. The patented inventions disclosed in the '602 Patent and the '842 Patents provide many advantages over the prior art, and in particular improved the operations of digital content generation and/or display devices. *E.g.*, Exhibit F, '602 Patent at 7:22–40; Exhibit G, '842 Patent at 7:20–38. One advantage of the patented invention is the provision of a level of security for executable code on similar grounds as that which can be provided for digitized samples. *E.g.*, Exhibit F, '602 Patent at 7:22–29; Exhibit G, '842 Patent at 7:20–27.

72. Another advantage of the patented invention is that it does not attempt to stop copying, but rather, determines responsibility for a copy by ensuring that licensing information must be preserved in descendant copies from an original. Without the correct license information, the copy cannot function. *E.g.*, Exhibit F, '602 Patent at 7:22–29; Exhibit G, '842 Patent at 7:20–27.

73. Because of these significant advantages that can be achieved through the use of the patented invention, Blue Spike believes that the '602 Patent and '842 Patents present significant commercial value for companies like Comcast. Indeed, the technology described and

claimed in the '602 and '842 Patents reads on the core security functionality of Comcast's digital security in its Xfinity digital TV devices and products.

**Technological Innovation**

74. The patented invention disclosed in the '602 and '842 Patents resolves technical problems related to protection of digital information particularly problems related to a method and device for data protection. As the '602 and '842 Patents explain, one of the limitations of the prior art as regards the protection of digital information was that existing methods of copy protection were too expensive and/or required outside determination and verification of the license. *See* Exhibit F, '602 Patent at 2:47–4:48; Exhibit G, '842 Patent at 1:29–60.

75. The claims of the '602 and '842 Patents do not merely recite the performance of some well-known business practice from the pre-Internet world along with the requirement to perform it on the Internet. Instead, the claims of the '602 and '842 Patents recite inventive concepts that are deeply rooted in engineering technology, and overcome problems specifically arising out of protecting digital information in a highly distributed computing environment.

76. In addition, the claims of the '602 and '842 Patent recites inventive concepts that improve the functioning of devices for protecting digital information, particularly by combining transfer functions with predetermined key creation.

77. Moreover, the claims of the '602 and '842 Patents recite inventive concepts that are not merely routine or conventional use of computer components. Instead, the patented invention disclosed in the '602 and '842 Patents provides a new and novel solution to specific problems related to protecting digital information.

78. And finally, the patented inventions disclosed in the '602 and '842 Patents do not preempt all the ways that protecting digital information may be used to improve devices for data

protection, nor do the '602 and '842 Patents preempt any other well-known or prior art technology.

79. Accordingly, the claims in the '602 and '842 Patents recite a combination of elements sufficient to ensure that the claim in substance and in practice amounts to significantly more than a patent-ineligible abstract idea.

**Prior Litigation**

80. The '602 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

81. The '602 Patent was previously litigated in the Northern District of California: 5:18-cv-03392.

82. The '602 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00016.

83. Collectively, these cases may be referred to as the "Prior '602 Patent Litigation."

84. The scope and construction of the claims of the '602 Patent have been clarified by the Prior Litigation.

85. The '842 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

86. The '842 Patent was previously litigated in the Northern District of California: 5:18-cv-03392.

87. The '842 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D.



Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00016.

88. Collectively, these cases may be referred to as the “Prior ’842 Patent Litigation.”

89. The scope and construction of the claims of the ’842 Patent have been clarified by the Prior Litigation.

### **THE ’705, ’275, ’746, ’222, AND ’307 PATENTS**

#### **The Invention**

90. Scott A. Moskowitz is the inventor of U.S. Patent No. 8,224,705 (“the ’705 Patent”). A true and correct copy of the ’705 Patent is attached as Exhibit H.

91. Scott A. Moskowitz is the inventor of U.S. Patent No. 7,287,275 (“the ’275 Patent”). A true and correct copy of the ’275 Patent is attached as Exhibit I.

92. Scott A. Moskowitz is the inventor of U.S. Patent No. 8,473,746 (“the ’746 Patent”). A true and correct copy of the ’746 Patent is attached as Exhibit J.

93. Scott A. Moskowitz is the inventor of U.S. Patent Reissue No. RE 44,222 (“the ’222 Patent”). A true and correct copy of the ’222 Patent is attached as Exhibit K.

94. Scott A Moskowitz is the inventor of U.S. Patent Reissue No. RE 44,307 (“the ’307 Patent”). A true and correct copy of the ’307 Patent is attached as Exhibit L.

95. The ’705, ’275, ’746, ’222, and ’307 Patents resulted from the pioneering efforts of Mr. Moskowitz (for the purposes of this section, “the Inventor”) in the area of optimizing and provisioning the allocation of bandwidth. These efforts resulted in the development of systems, methods, and devices for packet watermarking and efficient provisioning of bandwidth memorialized in the early- to mid-2000s. At the time of these pioneering efforts, the most widely implemented technology used to optimize and provision the allocation of bandwidth

96. Focused on priority of transmission paths for data in an attempt to alleviate bottlenecks within a given network. The Inventor conceived of the inventions claimed in the '705, '275, '746, '222, and '307 Patents as a way to transmit a stream of data by receiving a stream, organizing the stream into a plurality of packets, generating a packet watermark with each of the plurality of packets to form watermarked packets, and transmitting at least one of the watermarked packets across a network. *E.g.*, Exhibit I, '275 Patent at 5:35–67; Exhibit H, '705 Patent at 4:34–65; Exhibit J, '746 Patent at 4:66–3:51; Exhibit K, '222 Patent at 5:11–6:9; Exhibit L, '307 Patent at 4:47–5:11.

97. For example, the Inventor developed systems and methods that generate, monitor, and authenticate packet watermarking data.

#### **Advantage Over the Prior Art**

98. The patented inventions disclosed in the '705, '275, '746, '222, and '307 Patents provide many advantages over the prior art, and in particular improved the operations of digital content generation and/or display devices. *E.g.*, Exhibit H, '705 Patent at 4:34–8:49; Exhibit I, '275 Patent at 4:35–8:61; Exhibit J, '746 Patent at 4:42–8:59; Exhibit K, '222 Patent at 4:47–8:67; Exhibit L, '307 Patent at 4:47–8:67. One advantage of the patented invention is the provision of identity of the packets and subsequent provisioning by means of authenticating packets along a particular path. *E.g.*, Exhibit H, '705 Patent at 8:35–39; Exhibit I, '275 Patent at 8:45–49; Exhibit J, '746 Patent at 8:45–49; Exhibit K, '222 Patent at 8:53–57; Exhibit L, '307 Patent at 8:53–57.

99. Another advantage of the patented invention is that it provides for efficient provisioning of the packets on the network to enhance liquidity and derivative pricing provisioning for future estimated use of bandwidth. *E.g.*, Exhibit H, '705 Patent at 8:15–34;

Exhibit I, '275 Patent at 8:25–45; Exhibit J, '746 Patent at 8:25–44; Exhibit K, '222 Patent at 8:30–52; Exhibit L, '307 Patent at 8:29–52.

100. Because of these significant advantages that can be achieved through the use of the patented invention, Blue Spike believes that the '705, '275, '746, '222, and '307 Patents present significant commercial value for companies like Comcast. Indeed, the technology described and claimed in the '705, '275, '746, '222, and '307 Patents reads on the core standards used in Comcast's digital TV devices and products.

### **Technological Innovation**

101. The patented invention disclosed in the '705, '275, '746, '222, and '307 Patents resolves technical problems related to optimizing and provisioning the allocation of bandwidth, particularly problems related to better handling of the competitive needs between networks and the concept of Quality of Service. As the '705, '275, '746, '222, and '307 Patents explain, one of the limitations of the prior art as regards the protection of digital information was that users store data objects which by their very structure or format may occupy large amounts of bandwidth, thereby creating bandwidth demand that has little or no relationship to how the data is valued by third parties, including owners of rights related to the objects. *See* Exhibit H, '705 Patent at 2:48–59; Exhibit I, '275 Patent at 2:43–55; Exhibit J, '746 Patent at 2:56–63; Exhibit K, '222 Patent at 2:60–67; Exhibit L, '307 Patent at 2:47–3:1

102. The claims of the '705, '275, '746, '222, and '307 Patents do not merely recite the performance of some well-known business practice from the pre-Internet world along with the requirement to perform it on the Internet. Instead, the claims of the '705, '275, '746, '222, and '307 Patents recite inventive concepts that are deeply rooted in engineering technology, and

overcome problems specifically arising out of optimizing and provisioning the allocation of bandwidth.

103. In addition, the claims of the '705, '275, '746, '222, and '307 Patents recites inventive concepts that improve the functioning of devices for packet watermarking and efficient provisioning of bandwidth.

104. Moreover, the claims of the '705, '275, '746, '222, and '307 Patents recite inventive concepts that are not merely routine or conventional use of computer components. Instead, the patented invention disclosed in the '705, '275, '746, '222, and '307 Patents provides a new and novel solution to specific problems related to optimizing and provisioning the allocation of bandwidth.

105. And finally, the patented inventions disclosed in the '705, '275, '746, '222, and '307 Patents do not preempt all the ways that bandwidth may be optimized and/or allocation, nor do the '705, '275, '746, '222, and '307 Patents preempt any other well-known or prior art technology.

106. Accordingly, the claims in the '705, '275, '746, '222, and '307 Patents recite a combination of elements sufficient to ensure that the claim in substance and in practice amounts to significantly more than a patent-ineligible abstract idea.

#### **Prior Litigation**

107. The '705 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

108. The '705 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 2:16-cv-01191 (E.D. Tex.); 6:16-

cv-01020 (E.D. Tex.); 6:16-cv-00048 (E.D. Tex.)

109. Collectively, these cases may be referred to as the “Prior ’705 Patent Litigation.”

110. The scope and construction of the claims of the ’705 Patent have been clarified by the Prior Litigation.

111. The ’275 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

112. The ’275 Patent was previously litigated in the Northern District of California: 5:18-cv-03392; 5:17-cv-04780.

113. The ’275 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00016 (E.D. Tex.); 6:16-cv-01384 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 2:16-cv-01191 (E.D. Tex.); 6:16-cv-01020 (E.D. Tex.); 6:16-cv-00048.

114. Collectively, these cases may be referred to as the “Prior ’275 Patent Litigation.”

115. The scope and construction of the claims of the ’275 Patent have been clarified by the Prior Litigation.

116. The ’746 Patent was previously litigated in the District of Delaware: 1:18-cv-01406 (D. Del.); 1:18-cv-01427 (D. Del.), and; 1:18-cv-01512 (D. Del.).

117. The ’746 Patent was previously litigated in the Eastern District of Texas: 6:16-cv-00048 (E.D. Tex.); 6:16-cv-01020 (E.D. Tex.); 2:16-cv-01191 (E.D. Tex.); 6:17-cv-013845 (E.D. Tex.); 6:17-cv-00016 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.), and; 6:18-cv-00333 (E.D. Tex.).

118. The '746 Patent was previously litigated in the Northern District of California: 5:17-cv-04780 (N.D. Cal.), and; 5:18-cv-03392 (N.D. Cal.).

119. Collectively, these cases may be referred to as the "Prior '746 Patent Litigation."

120. The scope and construction of the claims of the '746 Patent have been clarified by the Prior Litigation.

121. The '222 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

122. The '222 Patent was previously litigated in the Northern District of California: 5:18-cv-03392; 5:17-cv-04780.

123. The '222 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D. Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00016 (E.D. Tex.); 6:16-cv-01384 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 2:16-cv-01191 (E.D. Tex.); 6:16-cv-01020 (E.D. Tex.); 6:16-cv-00048.

124. Collectively, these cases may be referred to as the "Prior '222 Patent Litigation."

125. The scope and construction of the claims of the '222 Patent have been clarified by the Prior Litigation.

126. The '307 Patent was previously litigated in the District of Delaware: 1:18-cv-01427.

127. The '307 Patent was previously litigated in the Northern District of California: 5:18-cv-03392; 5:17-cv-04780.

128. The '307 Patent was previously litigated in the Eastern District of Texas: 6:18-cv-00333 (E.D. Tex.); 6:18-cv-00223 (E.D. Tex.); 6:18-cv-00174 (E.D. Tex.); 6:18-cv-00195 (E.D.

Tex.); 6:18-cv-00242 (E.D. Tex.); 6:18-cv-00181 (E.D. Tex.); 6:17-cv-00016 (E.D. Tex.); 6:16-cv-01384 (E.D. Tex.); 6:17-cv-00053 (E.D. Tex.); 2:16-cv-01191 (E.D. Tex.); 6:16-cv-01020 (E.D. Tex.); 6:16-cv-00048.

129. Collectively, these cases may be referred to as the “Prior ’307 Patent Litigation.”

130. The scope and construction of the claims of the ’307 Patent have been clarified by the Prior Litigation.

**COUNT I – INFRINGEMENT OF U.S. PATENT NO. 7,475,246**

131. The allegations set forth in the foregoing paragraphs 1 through 130 are incorporated into this First Claim for Relief.

132. On January 6, 2009, the ’246 Patent was duly and legally issued by the United States Patent and Trademark Office under the title “Secure Personal Content Server”

133. Blue Spike is the assignee and owner of the right, title and interest in and to the ’246 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

134. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the ’246 Patent by selling, offering to sell, using, and/or providing and causing to be used products, specifically one or more Xfinity X1 TV Boxes, which by way of example include Arris XG1v3, Arris XG1v4, Arris Xi6, Pace XG1v1, Pace RNG150nP2, and Pace Xi5 (the “Accused Instrumentalities”). (*See* Ex. 1 at 1–3.)

135. The Accused Instrumentality infringed and continues to infringe claim 1 of the ’246 Patent during the pendency of the ’246 Patent. *See* ’246 Patent Claim Chart, attached hereto as Exhibit M. Plaintiff notes that the ’246 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in

support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

136. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 1 of the '246 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 1 of the '246 Patent.

137. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '246 Patent and that its acts were inducing infringement of the '246 Patent since at least the time of receiving this Complaint.

138. On information and belief, Comcast's infringement has been and continues to be willful.

139. Blue Spike has been harmed by Comcast's infringing activities.



**COUNT II – INFRINGEMENT OF U.S. PATENT NO. 8,739,295**

140. The allegations set forth in the foregoing paragraphs 1 through 139 are incorporated into this Second Claim for Relief.

141. On May 27, 2014, the '295 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Secure Personal Content Server"

142. Blue Spike is the assignee and owner of the right, title and interest in and to the '295 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

143. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '295 Patent by selling, offering to sell, using, and/or providing and causing to be used products, specifically one or more Xfinity X1 TV Boxes, which by way of example include Arris XG1v3, Arris XG1v4, Arris Xi6, Pace XG1v1, Pace RNG150nP2, and Pace Xi5 (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

144. The Accused Instrumentality infringed and continues to infringe claim 1 of the '295 Patent during the pendency of the '295 Patent. *See* '295 Patent Claim Chart, attached hereto as Exhibit N. Plaintiff notes that the '295 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

145. Upon information and belief, the Accused Instrumentalities perform a method for using a local content server system.

146. The Accused Instrumentality infringed and continues to infringe claim 13 of the '295 Patent during the pendency of the '295 Patent. *See* '295 Patent Claim Chart, attached hereto as Exhibit N. Plaintiff notes that the '295 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

147. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claims 1 and 13 of the '295 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claims 1 and 13 of the '295 Patent.

148. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness

to the resulting infringement because Comcast has had actual knowledge of the '295 Patent and that its acts were inducing infringement of the '295 Patent since at least the time of receiving this Complaint.

149. On information and belief, Comcast's infringement has been and continues to be willful.

150. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT III – INFRINGEMENT OF U.S. PATENT NO. 9,934,408**

151. The allegations set forth in the foregoing paragraphs 1 through 150 are incorporated into this Third Claim for Relief.

152. On April 3, 2018, the '408 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Secure Personal Content Server"

153. Blue Spike is the assignee and owner of the right, title and interest in and to the '408 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

154. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '408 Patent by selling, offering to sell, using, and/or providing and causing to be used products, specifically one or more Xfinity X1 TV Boxes, which by way of example include Arris XG1v3, Arris XG1v4, Arris Xi6, Pace XG1v1, Pace RNG150nP2, and Pace Xi5 (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

155. The Accused Instrumentality infringed and continues to infringe claim 1 of the '408 Patent during the pendency of the '408 Patent. *See* '408 Patent Claim Chart, attached hereto as Exhibit O. Plaintiff notes that the '408 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in

support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

156. The Accused Instrumentality infringed and continues to infringe claim 6 of the '408 Patent during the pendency of the '408 Patent. *See* '408 Patent Claim Chart, attached hereto as Exhibit O. Plaintiff notes that the '408 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

157. Upon information and belief, the Accused Instrumentalities perform a method for using a local content server system.

158. The Accused Instrumentality infringed and continues to infringe claim 8 of the '408 Patent during the pendency of the '408 Patent. *See* '408 Patent Claim Chart, attached hereto as Exhibit O. Plaintiff notes that the '408 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information.

Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

159. The Accused Instrumentality infringed and continues to infringe claim 17 of the '408 Patent during the pendency of the '408 Patent. *See* '408 Patent Claim Chart, attached hereto as Exhibit O. Plaintiff notes that the '408 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

160. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claims 1, 6, 8, and 17 of the '408 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to

Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claims 1, 6, 8, and 17 of the '408 Patent.

161. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '408 Patent and that its acts were inducing infringement of the '408 Patent since at least the time of receiving this Complaint.

162. On information and belief, Comcast's infringement has been and continues to be willful.

163. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT IV – INFRINGEMENT OF U.S. PATENT NO. 7,159,116**

164. The allegations set forth in the foregoing paragraphs 1 through 163 are incorporated into this Fourth Claim for Relief.

165. On January 2, 2007, the '116 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Systems, Methods, and Devices for Trusted Transactions"

166. Blue Spike is the assignee and owner of the right, title and interest in and to the '116 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

167. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '116 Patent by using, and/or providing and causing to be used products,

specifically one or more apps, which by way of example include the Xfinity Stream app (the “Accused Instrumentalities”). (*See* Ex. 16.)

168. The Accused Instrumentality infringed and continues to infringe claim 14 of the ’116 Patent during the pendency of the ’116 Patent. *See* ’116 Patent Claim Chart, attached hereto as Exhibit P. Plaintiff notes that the ’116 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

169. The Accused Instrumentality infringed and continues to infringe claim 16 of the ’116 Patent during the pendency of the ’116 Patent. *See* ’116 Patent Claim Chart, attached hereto as Exhibit P. Plaintiff notes that the ’116 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff

during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

170. The Accused Instrumentality infringed and continues to infringe claim 17 of the '116 Patent during the pendency of the '116 Patent. *See* '116 Patent Claim Chart, attached hereto as Exhibit P. Plaintiff notes that the '116 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

171. The Accused Instrumentality infringed and continues to infringe claim 18 of the '116 Patent during the pendency of the '116 Patent. *See* '116 Patent Claim Chart, attached hereto as Exhibit P. Plaintiff notes that the '116 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff



during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

172. The Accused Instrumentality infringed and continues to infringe claim 19 of the '116 Patent during the pendency of the '116 Patent. *See* '116 Patent Claim Chart, attached hereto as Exhibit P. Plaintiff notes that the '116 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

173. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claims 14 and 16–19 of the '116 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claims 14 and 16–19 of the '116 Patent.

174. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness

to the resulting infringement because Comcast has had actual knowledge of the '116 Patent and that its acts were inducing infringement of the '116 Patent since at least the time of receiving this Complaint.

175. On information and belief, Comcast's infringement has been and continues to be willful.

176. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT V – INFRINGEMENT OF U.S. PATENT NO. 8,538,011**

177. The allegations set forth in the foregoing paragraphs 1 through 176 are incorporated into this Fifth Claim for Relief.

178. On September 17, 2013, the '011 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Systems, Methods, and Devices for Trusted Transactions"

179. Blue Spike is the assignee and owner of the right, title and interest in and to the '011 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

180. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '011 Patent by using, and/or providing and causing to be used products, specifically one or more apps, which by way of example include the Xfinity Stream app (the "Accused Instrumentalities"). (*See Ex. 16.*)

181. The Accused Instrumentality infringed and continues to infringe claim 35 of the '011 Patent during the pendency of the '011 Patent. *See* '011 Patent Claim Chart, attached hereto as Exhibit Q. Plaintiff notes that the '011 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in

support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

182. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 35 of the '011 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 35 of the '011 Patent.

183. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '011 Patent and that its acts were inducing infringement of the '011 Patent since at least the time of receiving this Complaint.

184. On information and belief, Comcast's infringement has been and continues to be willful.

185. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT VI – INFRINGEMENT OF U.S. PATENT NO. 9,021,602**

186. The allegations set forth in the foregoing paragraphs 1 through 185 are incorporated into this Sixth Claim for Relief.

187. On April 28, 2015, the '602 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Data Protection Method and Device."

188. Blue Spike is the assignee and owner of the right, title and interest in and to the '602 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

189. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '602 Patent by selling, offering for sale, using, and/or providing and causing to be used products and/or services, specifically one or more Xfinity X1 TV Boxes, which by way of example include Arris XG1v3, Arris XG1v4, Arris Xi6, Pace XG1v1, Pace RNG150nP2, and Pace Xi5 (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

190. Upon information and belief, the Accused Instrumentalities perform a method for accessing functionality provided by an application software.

191. The Accused Instrumentality infringed and continues to infringe claim 1 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff

during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

192. The Accused Instrumentality infringed and continues to infringe claim 5 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

193. The Accused Instrumentality infringed and continues to infringe claim 8 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff

during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

194. The Accused Instrumentality infringed and continues to infringe claim 10 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

195. The Accused Instrumentality infringed and continues to infringe claim 12 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff

during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

196. The Accused Instrumentality infringed and continues to infringe claim 14 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

197. The Accused Instrumentality infringed and continues to infringe claim 15 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff

during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

198. The Accused Instrumentality infringed and continues to infringe claim 17 of the '602 Patent during the pendency of the '602 Patent. *See* '602 Patent Claim Chart, attached hereto as Exhibit R. Plaintiff notes that the '602 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

199. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claims 1, 5, 8, 10, 12, 14–15, and 17 of the '602 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claims 1, 5, 8, 10, 12, 14–15, and 17 of the '602 Patent.

200. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness



to the resulting infringement because Comcast has had actual knowledge of the '602 Patent and that its acts were inducing infringement of the '602 Patent since at least the time of receiving this Complaint.

201. On information and belief, Comcast's infringement has been and continues to be willful.

202. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT VII – INFRINGEMENT OF U.S. PATENT NO. 9,104,842**

203. The allegations set forth in the foregoing paragraphs 1 through 202 are incorporated into this Seventh Claim for Relief.

204. On August 11, 2015, the '842 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Data Protection Method and Device."

205. Blue Spike is the assignee and owner of the right, title and interest in and to the '842 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

206. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '842 Patent by selling, offering for sale, using, and/or providing and causing to be used products and/or services, specifically one or more Xfinity X1 TV Boxes, which by way of example include Arris XG1v3, Arris XG1v4, Arris Xi6, Pace XG1v1, Pace RNG150nP2, and Pace Xi5 (the "Accused Instrumentalities"). (*See Ex. 1 at 1–3.*)

207. Upon information and belief, the Accused Instrumentalities perform a method for accessing functionality provided by an application software.

208. The Accused Instrumentality infringed and continues to infringe claim 1 of the '842 Patent during the pendency of the '842 Patent. *See '842 Patent Claim Chart*, attached hereto as Exhibit S. Plaintiff notes that the '842 Claim Chart and analysis constitute a

preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

209. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 1 of the '842 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 1 of the '842 Patent.

210. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '842 Patent and that its acts were inducing infringement of the '842 Patent since at least the time of receiving this Complaint.

211. On information and belief, Comcast's infringement has been and continues to be willful.

212. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT VIII – INFRINGEMENT OF U.S. PATENT NO. 8,224,705**

213. The allegations set forth in the foregoing paragraphs 1 through 212 are incorporated into this Eighth Claim for Relief.

214. On July 17, 2012, the '705 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Methods, Systems and Devices for Packet Watermarking and Efficient Provisioning of Bandwidth."

215. Blue Spike is the assignee and owner of the right, title and interest in and to the '705 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

216. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '705 Patent by selling, offering for sale, using, and/or providing and causing to be used products and/or services, specifically one or more Xfinity X1 TV Boxes, which by way of example include Arris XG1v3, Arris XG1v4, Arris Xi6, Pace XG1v1, Pace RNG150nP2, and Pace Xi5 (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

217. Upon information and belief, the Accused Instrumentalities perform a method for selling at least one item and/or service. For example, the Accused Instrumentalities sell live television and video on demand services, including individual pay per view content items. (*See* Ex. 5.)

218. The Accused Instrumentality infringed and continues to infringe claim 8 of the '705 Patent during the pendency of the '705 Patent. *See* '705 Patent Claim Chart, attached hereto as Exhibit T. Plaintiff notes that the '705 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in

support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

219. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 8 of the '705 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 8 of the '705 Patent.

220. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '705 Patent and that its acts were inducing infringement of the '705 Patent since at least the time of receiving this Complaint.

221. On information and belief, Comcast's infringement has been and continues to be willful.

222. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT IX – INFRINGEMENT OF U.S. PATENT NO. 7,287,275**

223. The allegations set forth in the foregoing paragraphs 1 through 222 are incorporated into this Ninth Claim for Relief.

224. On October 23, 2007, the '275 Patent was duly and legally issued by the United States Patent and Trademark Office under the title “Methods, Systems and Devices for Packet Watermarking and Efficient Provisioning of Bandwidth.”

225. Blue Spike is the assignee and owner of the right, title and interest in and to the '275 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

226. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '275 Patent by using, and/or providing and causing to be used products and/or services, specifically one or more Comcast servers used to transmit a stream of data, including, for example, when Xfinity television or Internet access services are provided (the “Accused Instrumentalities”). (*See* Ex. 1 at 1–3.)

227. Upon information and belief, the Accused Instrumentalities perform a method for transmitting a stream of data. For example, the Accused Instrumentalities provide Xfinity television and/or Internet access services.

228. The Accused Instrumentality infringed and continues to infringe claim 1 of the '275 Patent during the pendency of the '275 Patent. *See* '275 Patent Claim Chart, attached hereto as Exhibit U. Plaintiff notes that the '275 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary

infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

229. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 1 of the '275 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 1 of the '275 Patent.

230. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '275 Patent and that its acts were inducing infringement of the '275 Patent since at least the time of receiving this Complaint.

231. On information and belief, Comcast's infringement has been and continues to be willful.

232. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT X – INFRINGEMENT OF U.S. PATENT NO. 8,473,746**

233. The allegations set forth in the foregoing paragraphs 1 through 232 are incorporated into this Tenth Claim for Relief.

234. On June 25, 2013, the '746 Patent was duly and legally issued by the United States Patent and Trademark Office under the title "Methods, Systems and Devices for Packet Watermarking and Efficient Provisioning of Bandwidth."

235. Blue Spike is the assignee and owner of the right, title and interest in and to the '746 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

236. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '746 Patent by using, and/or providing and causing to be used products and/or services, specifically one or more Comcast servers used to transmit a stream of data, including, for example, when Xfinity television or Internet access services are provided (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

237. Upon information and belief, the Accused Instrumentalities perform a method for generating a watermarked packet. For example, the Accused Instrumentalities provide Xfinity television and/or Internet access services.

238. The Accused Instrumentality infringed and continues to infringe claim 9 of the '746 Patent during the pendency of the '746 Patent. *See* '746 Patent Claim Chart, attached hereto as Exhibit V. Plaintiff notes that the '746 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff

during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

239. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 9 of the '746 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 9 of the '746 Patent.

240. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '746 Patent and that its acts were inducing infringement of the '746 Patent since at least the time of receiving this Complaint.

241. On information and belief, Comcast's infringement has been and continues to be willful.

242. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT XI – INFRINGEMENT OF U.S. PATENT REISSUE NO. RE 44,222**

243. The allegations set forth in the foregoing paragraphs 1 through 242 are incorporated into this Eleventh Claim for Relief.

244. On May 14, 2013, the '222 Patent was duly and legally reissued by the United States Patent and Trademark Office under the title "Methods, Systems and Devices for Packet Watermarking and Efficient Provisioning of Bandwidth."



245. Blue Spike is the assignee and owner of the right, title and interest in and to the '222 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

246. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '222 Patent by using, and/or providing and causing to be used products and/or services, specifically one or more Comcast servers used to transmit a stream of data, including, for example, when Xfinity television or Internet access services are provided (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

247. Upon information and belief, the Accused Instrumentalities perform a process for transmitting a stream of data. For example, the Accused Instrumentalities provide Xfinity television and/or Internet access services

248. The Accused Instrumentality infringed and continues to infringe claim 1 of the '222 Patent during the pendency of the '222 Patent. *See* '222 Patent Claim Chart, attached hereto as Exhibit W. Plaintiff notes that the '222 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

249. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 1 of the '222 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 1 of the '222 Patent.

250. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '222 Patent and that its acts were inducing infringement of the '222 Patent since at least the time of receiving this Complaint.

251. On information and belief, Comcast's infringement has been and continues to be willful.

252. Blue Spike has been harmed by Comcast's infringing activities.

**COUNT XII – INFRINGEMENT OF U.S. PATENT REISSUE NO. RE 44,307**

253. The allegations set forth in the foregoing paragraphs 1 through 252 are incorporated into this Twelfth Claim for Relief.

254. On June 18, 2013, the '307 Patent was duly and legally reissued by the United States Patent and Trademark Office under the title "Methods, Systems and Devices for Packet Watermarking and Efficient Provisioning of Bandwidth."

255. Blue Spike is the assignee and owner of the right, title and interest in and to the '307 Patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

256. Upon information and belief, Comcast has and continues to directly infringe one or more claims of the '307 Patent by using, and/or providing and causing to be used products and/or services, specifically one or more Comcast servers used to transmit a stream of data, including, for example, when Xfinity television or Internet access services are provided (the "Accused Instrumentalities"). (*See* Ex. 1 at 1–3.)

257. Upon information and belief, the Accused Instrumentalities perform a method for authenticating a packet flow. For example, the Accused Instrumentalities provide Xfinity television and/or Internet access services. (*See* Exs. 5, 19, 22.)

258. The Accused Instrumentality infringed and continues to infringe claim 19 of the '307 Patent during the pendency of the '307 Patent. *See* '307 Patent Claim Chart, attached hereto as Exhibit X. Plaintiff notes that the '307 Claim Chart and analysis constitute a preliminary and exemplary infringement analysis based on publicly available information. Plaintiff has not obtained discovery from Defendant, nor has Defendant disclosed any analysis in support of any purported non-infringement positions. Plaintiff hereby specifically reserves the right to supplement and/or amend the positions taken in this preliminary and exemplary infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, if and when warranted by further information obtained by Plaintiff during the pendency of litigation, including information adduced through fact discovery, claim construction, expert discovery, and/or further analysis.

259. Upon information and belief, since at least the time of receiving this Complaint, Comcast has induced and continues to induce others to infringe at least claim 19 of the '307 Patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to Comcast's partners and customers, whose use of the Accused Instrumentalities constitutes direct infringement of at least claim 19 of the '307 Patent.

260. In particular, Comcast's actions that aid and abet others such as their partners and customers to infringe include distributing the Accused Instrumentalities and providing materials and/or services related to the Accused Instrumentalities. On information and belief, the Comcast has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because Comcast has had actual knowledge of the '307 Patent and that its acts were inducing infringement of the '307 Patent since at least the time of receiving this Complaint.

261. On information and belief, Comcast's infringement has been and continues to be willful.

262. Blue Spike has been harmed by Comcast's infringing activities.

### **JURY DEMAND**

Pursuant to Rule 38 of the Federal Rules of Civil Procedure, Blue Spike demands a trial by jury on all issues triable as such.

### **PRAYER FOR RELIEF**

WHEREFORE, Plaintiff Blue Spike demands judgment for itself and against Comcast as follows:

A. An adjudication that Comcast has infringed the '246, '295, '408, '116, '011, '705, '602, '705, '275, '746, '222, and '307 Patents;

B. An award of damages to be paid by Comcast adequate to compensate Blue Spike for Comcast's past infringement of the '246, '295, '408, '116, '011, '705, '602, '705, '275, '746, '222, and '307 Patents, and any continuing or future infringement through the date such judgment is entered, including interest, costs, expenses and an accounting of all infringing acts including, but not limited to, those acts not presented at trial;

C. A declaration that this case is exceptional under 35 U.S.C. § 285, and an award of Blue Spike's reasonable attorneys' fees; and

D. An award to Blue Spike of such further relief at law or in equity as the Court deems just and proper.

Dated: October 5, 2018

DEVLIN LAW FIRM LLC

/s/ Timothy Devlin

Timothy Devlin (No. 4241)

James Lennon (No. 4570)

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*Attorneys for Plaintiff Blue Spike LLC*

### **CERTIFICATE OF SERVICE**

The undersigned hereby certifies that all counsel of record who are deemed to have consented to electronic service are being served with a copy of this document on October 5, 2018.

/s/ Timothy Devlin

Timothy Devlin