

IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF TEXAS  
TYLER DIVISION

VirnetX Inc.,

Plaintiff,

v.

Apple Inc.,

Defendant.

Civil Action No. 6:11-cv-563

Jury Trial Demanded

VirnetX Inc. and Science Applications  
International Corporation,

Plaintiffs,

v.

Apple Inc.,

Defendant.

Civil Action No. 6:12-cv-855

Jury Trial Demanded

**PLAINTIFF VIRNETX INC. AND PLAINTIFF LEIDOS, INC.'S  
CONSOLIDATED AND FOURTH AMENDED COMPLAINT**

Plaintiff VirnetX Inc. (“VirnetX”) and Plaintiff Leidos, Inc. (“Leidos”), formerly known as Science Applications International Corporation (“SAIC”), file this Consolidated and FOURTH Amended Complaint against Defendant Apple Inc. for patent infringement under 35 U.S.C. § 271 and in support thereof would respectfully show the Court the following:

**THE PARTIES**

1. Plaintiff VirnetX is a corporation organized and existing under the laws of the State of Delaware and maintains its principal place of business at 308 Dorla Court, Zephyr Cove, Nevada 89448.

2. Leidos, formerly SAIC, is a corporation formed under the laws of the state of

Delaware with a principal place of business at 11951 Freedom Drive, Reston, Virginia 20190.

3. Defendant Apple Inc. (“Apple”) is a California corporation with its principal place of business at 1 Infinite Loop, Cupertino, California 95014.

### **JURISDICTION AND VENUE**

4. This is an action for patent infringement arising under the patent laws of the United States, Title 35, United States Code. This Court has exclusive subject matter jurisdiction over this case for patent infringement under 28 U.S.C. § 1338.

5. Venue is proper in the Eastern District of Texas under 28 U.S.C. §§ 1391 and 1400(b).

6. This Court has personal jurisdiction over Defendant Apple. Apple has conducted and does conduct business within the State of Texas. Apple, directly or through subsidiaries or intermediaries (including distributors, retailers, and others), ships, distributes, offers for sale, sells, and advertises (including the provision of an interactive web page) its products and/or services in the United States, the State of Texas, and the Eastern District of Texas. Apple, directly and through subsidiaries or intermediaries (including distributors, retailers, and others), has purposefully and voluntarily placed one or more of its infringing products and/or services, as described below, into the stream of commerce with the expectation that they will be purchased and used by consumers in the Eastern District of Texas. These infringing products and/or services have been and continue to be purchased and used by consumers in the Eastern District of Texas. Apple has committed acts of patent infringement within the State of Texas and, more particularly, within the Eastern District of Texas.

### **ASSERTED PATENTS**

7. On December 31, 2002, United States Patent No. 6,502,135 (“the ’135 patent”)

entitled “Agile Network Protocol for Secure Communications with Assured System Availability” was duly and legally issued with Edmund Colby Munger, Douglas Charles Schmidt, Robert Dunham Short, III, Victor Larson, Michael Williamson as the named inventors after full and fair examination. VirnetX, together with Leidos, owns all rights, title, and interest in and to the ’135 patent<sup>1</sup> and possesses all rights of recovery under the ’135 patent. A copy of the ’135 patent is attached as Exhibit A to VirnetX’s First Amended Complaint [Dkt. No. 58-1].

8. On August 26, 2008, United States Patent No. 7,418,504 (“the ’504 patent”) entitled “Agile Network Protocol for Secure Communications Using Secure Domain Names” was duly and legally issued with Victor Larson, Robert Dunham Short, III, Edmund Colby Munger, and Michael Williamson as the named inventors after full and fair examination. VirnetX, together with Leidos, owns all rights, title, and interest in and to the ’504 patent<sup>2</sup> and possesses all rights of recovery under the ’504 patent. A copy of the ’504 patent is attached as Exhibit B to VirnetX’s First Amended Complaint [Dkt. No. 58-2].

9. On February 10, 2009, United States Patent No. 7,490,151 (“the ’151 patent”) entitled “Establishment of a Secure Communication Link Based on a Domain Name Service (DNS) Request” was duly and legally issued with Edmund Colby Munger, Robert Dunham Short, III, Victor Larson, and Michael Williamson as the named inventors after full and fair examination. VirnetX, together with Leidos, owns all rights, title, and interest in and to the ’151 patent<sup>3</sup> and possesses all rights of recovery under the ’151 patent. A copy of the ’151 patent is attached as Exhibit C to VirnetX’s First Amended Complaint [Dkt. No. 58-3].

10. On April 5, 2011, United States Patent No. 7,921,211 (“the ’211 patent”) entitled “Agile Network Protocol for Secure Communications Using Secure Domain Names” was duly

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<sup>1</sup> Leidos maintains an equity interest and review rights related to the ’135 patent.

<sup>2</sup> Leidos maintains an equity interest and review rights related to the ’504 patent.

<sup>3</sup> Leidos maintains an equity interest and review rights related to the ’151 patent.

and legally issued with Victor Larson, Robert Dunham Short, III, Edmund Colby Munger, and Michael Williamson as the named inventors after full and fair examination. VirnetX, together with Leidos, owns all rights, title, and interest in and to the '211 patent<sup>4</sup> and possesses all rights of recovery under the '211 patent. A copy of the '211 patent is attached as Exhibit D to VirnetX's First Amended Complaint [Dkt. No. 58-4].

11. On November 1, 2011, United States Patent No. 8,051,181 ("the '181 patent") entitled "Method for Establishing Secure Communication Link Between Computers of Virtual Private Network" was duly and legally issued with Victor Larson, Robert Dunham Short, III, Edmund Colby Munger, and Michael Williamson as the named inventors after full and fair examination. VirnetX, together with Leidos, owns all rights, title, and interest in and to the '181 patent<sup>5</sup> and possesses all rights of recovery under the '181 patent. A copy of the '181 patent is attached as Exhibit E to VirnetX's First Amended Complaint [Dkt. No. 58-5].

12. At 12:00 a.m. EDT on August 6, 2013 [e.g., 11:00 p.m. CDT on August 5, 2013], United States Patent No. 8,504,697 ("the '697 patent") entitled "System and Method Employing an Agile Network Protocol for Secure Communications Using Secure Domain Names" was duly and legally issued with Victor Larson, Robert Dunham Short, III, Edmund Colby Munger, and Michael Williamson as the named inventors after full and fair examination. VirnetX, together with Leidos, owns all rights, title, and interest in and to the '697 patent<sup>6</sup> and possesses all rights of recovery under the '697 patent. A copy of the '697 patent is attached as Exhibit 6 to VirnetX's Opening Claim Construction Brief [Dkt. No. 136-7].

13. The '135, '504, '151, and '211 patents were all originally asserted in the Complaint in Civil Action No. 6:12-cv-855. The '181 patent was originally asserted in Civil

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<sup>4</sup> Leidos maintains an equity interest and review rights related to the '211 patent.

<sup>5</sup> Leidos maintains an equity interest and review rights related to the '181 patent.

<sup>6</sup> Leidos maintains an equity interest and review rights related to the '697 patent.

Action No. 6:11-cv-563. The '135, '504, '151, '211, '181, and '697 patents were all included in the Consolidated and Second Amended Complaint as a result of the consolidation of Civil Action No. 6:11-cv-563 with Civil Action No. 6:12-cv-855. *See* Order (Dkt. 51). Therefore, this Consolidated and Third Amended Complaint does not assert any patent that has not previously been asserted in this consolidated action.

**COUNT ONE**  
**PATENT INFRINGEMENT BY APPLE**

14. Plaintiffs incorporate by reference paragraphs 1-13 as if fully set forth herein. As described below, Apple has infringed and/or continues to infringe the '135, '151, '504, '211, '181, and '697 patents.

15. At least Apple's servers and other Apple computers that support the VPN On Demand functionality, when configured and operating in a system as specified by Apple, and the Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus running iOS 3.1.x or later; the Apple iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display running iOS 3.1.x or later; the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation. iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2 running iOS 3.1.x or later; and any future Apple iOS device running iOS 3.1.x or later when configured and operating in a system as specified by Apple, infringe at least system claims 10 and 12 of the '135 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 10 and 12 of the '135 patent.

16. The use of at least Apple's servers and other Apple computers that support the VPN On Demand functionality, when configured and operating in a system as specified by Apple, and the Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone

5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus running iOS 3.1.x or later; the Apple iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display running iOS 3.1.x or later; the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2 running iOS 3.1.x or later; and any future Apple iOS device running iOS 3.1.x or later infringes at least method claims 1, 3, 7, and 8 of the '135 patent. Apple uses these products and thus directly infringes at least claims 1, 3, 7, and 8 of the '135 patent.

17. In addition, Apple provided or currently provides at least the Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus running iOS 3.1.x or later; the Apple iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display running iOS 3.1.x or later; the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2 running iOS 3.1.x or later; and any future Apple iOS device running iOS 3.1.x or later to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 3, 7, 8, 10, and 12 of the '135 patent.

18. Further, Apple provided or currently provides Apple iOS devices, such as Apple's various iPhone, iPod Touch, and iPad devices running iOS 7.0 or later; and any future Apple iOS device running iOS 7.0 or later to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 3, 7, 8, 10, and 12 of the '135 patent.

19. Apple indirectly infringes by inducing infringement by others, such as

resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '135 patent by others, such as resellers and end-user customers.

20. Apple indirectly infringes the '135 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

21. At least Apple's servers and other Apple computers that support the VPN On Demand functionality, when configured and operating in a system as specified by Apple, and the Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus running iOS 3.1.x or later; the Apple iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPad Touch with Retina Display running iOS 3.1.x or later; the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2 running iOS 3.1.x or later; and any future Apple iOS device running iOS 3.1.x or later infringe at least apparatus claim 1 of the '151 patent. Apple makes, uses, sells, offers for sale, imports, exports, imports, supplies, and/or distributes within and from the United States these products and thus directly infringes at least claim 1 of the '151 patent.

22. At least Apple's servers and other Apple computers that support the VPN

On Demand functionality, and the Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus running iOS 3.1.x or later; the Apple iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display running iOS 3.1.x or later; the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, iPad Air 2 running iOS 3.1.x or later; and any future Apple iOS device running iOS 3.1.x or later, as well as Apple's servers, master discs, and other media that store, cache, or distribute iOS, infringe at least computer readable media claims 7 and 13 of the '151 patent. Apple makes, uses, sells, offers for sale, imports, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 7 and 13 of the '151 patent.

23. In addition, Apple provided or currently provides at least the Apple iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus running iOS 3.1.x or later; the Apple iPod Touch 1st Generation, iPod Touch 2nd Generation, iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display running iOS 3.1.x or later; the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2 running iOS 3.1.x or later; any future Apple iOS device running iOS 3.1.x or later; and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 7, and 13 of the '151 patent.

24. Further, Apple provided or currently provides Apple iOS devices, such as Apple's various iPhone, iPod Touch, and iPad devices running iOS 7.0 or later; and any future



Apple iOS devices running iOS 7.0 or later to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 7, and 13 of the '151 patent.

25. Apple indirectly infringes the '151 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '151 patent by others, such as resellers and end-user customers.

26. Apple indirectly infringes the '151 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

27. At least Apple's servers and other Apple computers that support the FaceTime functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running

the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, infringe at least system claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-29, 32-35, 53, and 56 of the '504 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-29, 32-35, 53, and 56 of the '504 patent.

28. At least Apple's servers and other Apple computers that support the FaceTime functionality, as well as Apple's servers, master discs, and other media that store, cache, or distribute iOS, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, infringe at least machine readable medium claims 36-38, 41, 43-47, 50-52, and 57-59 of the '504 patent. Apple makes, uses, sells, offers for sale, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 36-38, 41, 43-47, 50-52, and 57-59 of the '504 patent.

29. The use of at least Apple's servers and other Apple computers that support the FaceTime functionality, when configured and operating in a system as specified by Apple,

and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, as intended by Apple, infringes at least method claim 60 of the '504 patent. Apple uses these products and thus directly infringes at least claim 60 of the '504 patent.

30. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, 33-38, 41,

43-47, 50-52, and 57-60 of the '504 patent.

31. Apple indirectly infringes the '504 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '504 patent by others, such as resellers and end-user customers.

32. Apple indirectly infringes the '504 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

33. At least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage

functionality, infringe at least system claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, and 33-35 of the '504 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, and 33-35 of the '504 patent.

34. At least Apple's servers and other Apple computers that support the iMessage functionality, as well as Apple's servers, master discs, and other media that store, cache, or distribute iOS, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringe at least machine readable medium claims 36-38, 41, 43-47, 50-52, and 57-59 of the '504 patent. Apple makes, uses, sells, offers for sale, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 36-38, 41, 43-47, 50-52, and 57-59 of the '504 patent.

35. The use of at least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus;

Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringes at least method claim 60 of the '504 patent. Apple uses these products and thus directly infringes at least claim 60 of the '504 patent.

36. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; any future Apple device capable of using the iMessage functionality, and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, 33-38, 41, 43-47, 50-52, and 57-60 of the '504 patent.

37. Apple indirectly infringes the '504 patent by inducing infringement by

others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '504 patent by others, such as resellers and end-user customers.

38. Apple indirectly infringes the '504 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

39. At least Apple's servers and other Apple computers that support the FaceTime functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, infringe at least system claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-29, 32-35, 53, and 56 of the '211 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 1, 2, 5, 6, 14,

16, 17, 19-21, 23, 26-29, 32-35, 53, and 56 of the '211 patent.

40. At least Apple's servers and other Apple computers that support the FaceTime functionality, as well as Apple's servers, master discs, and other media that store, cache, or distribute iOS, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, infringe at least non-transitory machine readable medium claims 36-38, 41, 43-47, 50-52, and 57-59 of the '211 patent. Apple makes, uses, sells, offers for sale, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 36-38, 41, 43-47, 50-52, and 57-59 of the '211 patent.

41. The use of at least Apple's servers and other Apple computers that support the FaceTime functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad



devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, as intended by Apple, infringes at least method claim 60 of the '211 patent. Apple uses these products and thus directly infringes at least claim 60 of the '211 patent.

42. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; any future Apple device capable of using the FaceTime functionality; and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, 33-38, 41, 43-47, 50-52, and 57-60 of the '211 patent.

43. Apple indirectly infringes the '211 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '211 patent by others, such as resellers and

end-user customers.

44. Apple indirectly infringes the '211 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

45. At least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringe at least system claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, and 33-35 of the '211 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, and 33-35 of the '211 patent.

46. At least Apple's servers and other Apple computers that support the iMessage

functionality, as well as Apple's servers, master discs, and other media that store, cache, or distribute iOS, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringe at least non-transitory machine readable medium claims 36-38, 41, 43-47, 50-52, and 57-59 of the '211 patent. Apple makes, uses, sells, offers for sale, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 36-38, 41, 43-47, 50-52, and 57-59 of the '211 patent.

47. The use of at least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with

Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, as intended by Apple infringes at least method claim 60 of the '211 patent. Apple uses these products and thus directly infringes at least claim 60 of the '211 patent.

48. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; any future Apple device capable of using the iMessage functionality; and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 5, 6, 14, 16, 17, 19-21, 23, 26-28, 33-38, 41, 43-47, 50-52, and 57-60 of the '211 patent.

49. Apple indirectly infringes the '211 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '211 patent by others, such as resellers and end-user customers.

50. Apple indirectly infringes the '211 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

51. At least Apple's servers and other Apple computers that support the FaceTime functionality, as well as Apple's servers, master discs, and other media that store, cache, or distribute iOS, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using FaceTime functionality, infringe at least machine readable medium claims 1, 28, and 29 of the '181 patent. Apple makes, uses, sells, offers for sale, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 1, 28, and 29 of the '181 patent.

52. The use of at least Apple's servers and other Apple computers that support

the FaceTime functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher, as intended by Apple; and any future Apple device capable of using the FaceTime functionality, infringes at least method claims 2, 5-9, 14, 15, 17-20, 22, and 24-27 of the '181 patent. Apple uses these products and thus directly infringes at least claims 2, 5-9, 14, 15, 17-20, 22, and 24-27 of the '181 patent.

53. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; any future Apple device capable of using the FaceTime functionality; and media that store, cache, or distribute iOS to

others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 5-9, 14, 15, 17-20, 22, and 24-29 of the '181 patent.

54. Apple indirectly infringes the '181 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '181 patent by others, such as resellers and end-user customers.

55. Apple indirectly infringes the '181 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

56. At least Apple's servers and other Apple computers that support the iMessage functionality, as well as Apple's servers, master discs, and other media that store, cache, or distribute iPhone OS or iOS, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers

capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringe at least machine readable medium claims 1, 28, and 29 of the '181 patent. Apple makes, uses, sells, offers for sale, exports, imports, supplies, and/or distributes within and from the United States these products and media and thus directly infringes at least claims 1, 28, and 29 of the '181 patent.

57. The use of at least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringes at least method claims 2, 5-9, 14, 15, 17-20, 22, and 24-27 of the '181 patent. Apple uses these products and thus directly infringes at least claims 2, 5-9, 14, 15, 17-20, 22, and 24-27 of the '181 patent.

58. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices



capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; any future Apple device capable of using the iMessage functionality; and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 5-9, 14, 15, 17-20, 22, and 24-29 of the '181 patent.

59. Apple indirectly infringes the '181 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '181 patent by others, such as resellers and end-user customers.

60. Apple indirectly infringes the '181 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

61. Apple has infringed and/or continues to infringe one or more claims of the '135, '151, '504, '211, and '181 patents as set forth above. Apple is liable for direct

infringement, as well as indirect infringement by way of inducement and/or contributory infringement, for the '135, '151, '504, '211, and '181 patents pursuant to 35 U.S.C. § 271 (a), (b), (c), and/or (f) as set forth above. For VirnetX's claims of indirect infringement, Apple's resellers, consultants, and end-user customers are direct infringers of the '135, '151, '504, '211, and '181 patents.

62. At least Apple's servers and other Apple computers that support the FaceTime functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, infringe at least system claims 16, 18, 22-25, and 28-30 of the '697 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 16, 18, 22-25, and 28-30 of the '697 patent.

63. The use of at least Apple's servers and other Apple computers that support the FaceTime functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th

Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; and any future Apple device capable of using the FaceTime functionality, as intended by Apple, infringes at least method claims 1, 2, 4, 8, 9, 11, 14, and 15 of the '697 patent. Apple uses these products and thus directly infringes at least claims 1, 2, 4, 8, 9, 14, and 15 of the '697 patent.

64. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the FaceTime functionality, including the Apple iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the FaceTime functionality, including the Apple iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the FaceTime functionality, including the Apple iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the FaceTime functionality (*e.g.*, running the FaceTime for Mac application), including Apple computers running OS X 10.6.6 or higher; any future Apple device capable of using the FaceTime functionality; and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 4, 8, 9, 11, 14-16, 18, 22-25, and 28-30 of the '697 patent.

65. Apple indirectly infringes the '697 patent by inducing infringement by

others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '697 patent by others, such as resellers and end-user customers.

66. Apple indirectly infringes the '697 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

67. At least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringe at least system claims 16, 22-25, and 28-30 of the '697 patent. Apple makes and/or uses these systems and thus directly infringes at least claims 16, 22-25, and 28-30

of the '697 patent.

68. The use of at least Apple's servers and other Apple computers that support the iMessage functionality, when configured and operating in a system as specified by Apple, and Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality (*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; and any future Apple device capable of using the iMessage functionality, infringes at least method claims 1, 2, 8, 9, 11, 14, and 15 of the '697 patent. Apple uses these products and thus directly infringes at least claims 1, 2, 8, 9, 11, 14, and 15 of the '697 patent.

69. In addition, Apple provided or currently provides at least Apple iPhone devices capable of using the iMessage functionality, including the Apple iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5C, iPhone 5S, iPhone 6, and iPhone 6 Plus; Apple iPod Touch devices capable of using the iMessage functionality, including the Apple iPod Touch 3rd Generation, iPod Touch 4th Generation, iPod Touch 5th Generation, and iPod Touch with Retina Display; Apple iPad devices capable of using the iMessage functionality, including the Apple iPad, iPad 2, iPad 3rd Generation, iPad 4th Generation, iPad Mini, iPad Mini with Retina Display, iPad Mini 3, iPad Air, and iPad Air 2; Apple computers capable of using the iMessage functionality

(*e.g.*, running the Messages for Mac application), including Apple computers running OS X 10.7 or higher; any future Apple device capable of using the iMessage functionality; and media that store, cache, or distribute iOS to others, such as resellers and end-user customers, in the United States who, in turn, use these products to infringe at least claims 1, 2, 8, 9, 11, 14-16, 22-25, and 28-30 of the '697 patent.

70. Apple indirectly infringes the '697 patent by inducing infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(b), because Apple actively induces infringement of the '697 patent by others, such as resellers and end-user customers.

71. Apple indirectly infringes the '697 patent by contributing to infringement by others, such as resellers and end-user customers, in accordance with 35 U.S.C. § 271(c), because Apple offers to sell or sells within the United States a component of a patented machine, manufacture, combination, or composition, or a material or apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in an infringement of such patent, and not a staple article or commodity of commerce suitable for substantial non-infringing use.

72. Apple's acts of infringement have caused damage to VirnetX. VirnetX is entitled to recover from Apple the damages sustained by VirnetX as a result of Apple's wrongful acts in an amount subject to proof at trial. In addition, the infringing acts and practices of Apple have caused, are causing, and, unless such acts and practices are enjoined by the Court, will continue to cause immediate and irreparable harm to VirnetX for which there is no adequate remedy at law, and for which VirnetX is entitled to injunctive relief under 35 U.S.C. § 283.

73. Apple has received actual notice of infringement of the asserted patents prior to

this lawsuit, including at least through a previous case against Apple. *See VirnetX Inc. v. Cisco Inc.*, 6:10-cv-417 (E.D. Tex.). Apple has also received constructive notice of the asserted patents as VirnetX marks its products in compliance with 35 U.S.C. § 287. Additionally, with respect to the '697 patent, Apple has also received actual notice of infringement at least through the instant consolidated case, Apple's knowledge of the common specification between the '697 patent and related patents previously asserted against Apple, Apple's knowledge of VirnetX's ongoing prosecution efforts, publicly available copies of the Notice of Allowance and Issue Notification relating to the application that matured into the '697 patent, and Apple's knowledge of a meet-and-confer in the instant consolidated case relating to the addition of the '697 patent to this case.

74. Apple has willfully infringed and/or does willfully infringe the '135, '151, '504, '211, '181, and '697 patents.

#### **DEMAND FOR JURY TRIAL**

Plaintiffs hereby demand a jury for all issues so triable.

#### **PRAYER FOR RELIEF**

WHEREFORE, Plaintiffs pray for the following relief:

1. A judgment that Apple has directly infringed the '135 patent, contributorily infringed the '135 patent, and/or induced the infringement of the '135 patent;
2. A judgment that Apple has directly infringed the '151 patent, contributorily infringed the '151 patent, and/or induced the infringement of the '151 patent;
3. A judgment that Apple has directly infringed the '504 patent, contributorily infringed the '504 patent, and/or induced the infringement of the '504 patent;
4. A judgment that Apple has directly infringed the '211 patent, contributorily infringed the '211 patent, and/or induced the infringement of the '211 patent;

5. A judgment that Apple has directly infringed the '181 patent, contributorily infringed the '181 patent, and/or induced the infringement of the '181 patent;

6. A judgment that Apple has directly infringed the '697 patent, contributorily infringed the '697 patent, and/or induced the infringement of the '697 patent;

7. A preliminary and permanent injunction preventing Apple and its respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns, and those in active concert or participation with any of them, from directly infringing, contributorily infringing, and/or inducing the infringement of the '135 patent;

8. A preliminary and permanent injunction preventing Apple and its respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns, and those in active concert or participation with any of them, from directly infringing, contributorily infringing, and/or inducing the infringement of the '151 patent;

9. A preliminary and permanent injunction preventing Apple and its respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns, and those in active concert or participation with any of them, from directly infringing, contributorily infringing, and/or inducing the infringement of the '504 patent;

10. A preliminary and permanent injunction preventing Apple and its respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns, and those in active concert or participation with any of them, from directly infringing, contributorily infringing, and/or inducing the infringement of the '211 patent;

11. A preliminary and permanent injunction preventing Apple and its respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns, and those in active concert or participation with any of them, from directly infringing,



contributorily infringing, and/or inducing the infringement of the '181 patent;

12. A preliminary and permanent injunction preventing Apple and its respective officers, directors, agents, servants, employees, attorneys, licensees, successors, and assigns, and those in active concert or participation with any of them, from directly infringing, contributorily infringing, and/or inducing the infringement of the '697 patent;

13. A judgment that Apple's infringement of the '135, '151, '504, '211, '181, and '697 patents has been willful;

14. A ruling that this case be found to be exceptional under 35 U.S.C. § 285, and a judgment awarding VirnetX to its attorneys' fees incurred in prosecuting this action;

15. A judgment and order requiring Apple to pay VirnetX damages under 35 U.S.C. § 284, including supplemental damages for any continuing post-verdict infringement up until entry of the final judgment, with an accounting, as needed, and treble damages for willful infringement as provided by 35 U.S.C. § 284;

16. A judgment and order requiring Apple to pay VirnetX the costs of this action (including all disbursements);

17. A judgment and order requiring Apple to pay VirnetX pre-judgment and post-judgment interest on the damages awarded;

18. A judgment and order requiring that in the event a permanent injunction preventing future acts of infringement is not granted, that VirnetX be awarded a compulsory ongoing licensing fee; and

19. Such other and further relief as the Court may deem just and proper.

DATED: March 13, 2015

Respectfully submitted,

**CALDWELL CASSADY & CURRY**

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*/s/ Andy Tindel*

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LEIDOS, INC. FORMERLY KNOWN  
AS SCIENCE APPLICATIONS  
INTERNATIONAL CORPORATION**

**CERTIFICATE OF SERVICE**

The undersigned certifies that the foregoing document was filed electronically in compliance with Local Rule CV-5(a) on March 13, 2015. As such, this document was served on all counsel who are deemed to have consented to electronic service. Local Rule CV-5(a)(3)(A).

/s/ Jason D. Cassady  
Jason D. Cassady