

**IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF NEW JERSEY**

**SYMBOLOGY INNOVATIONS, LLC**

**Plaintiff,**

**v.**

**QUEST DIAGNOSTICS INCORPORATED**

**Defendant.**

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**CIVIL ACTION NO.**

**JURY TRIAL DEMANDED**

**COMPLAINT FOR INFRINGEMENT OF PATENT**

COMES NOW, Plaintiff Symbology Innovations, LLC (“Symbology” or Plaintiff), through the undersigned attorneys, and respectfully alleges, states, and prays as follows:

**NATURE OF THE ACTION**

1. This is an action for patent infringement under the Patent Laws of the United States, Title 35 United States Code (“U.S.C.”) to prevent and enjoin defendant Quest Diagnostics Incorporated, (hereinafter “Defendant”), from infringing and profiting, in an illegal and unauthorized manner and without authorization and/or of the consent from Symbology, from U.S. Patent Nos. 8,424,752 (the “752 patent”, attached hereto as Exhibits A); 8,651,369 (the “369 patent”, attached hereto as Exhibits B); 8,936,190 (the “190 patent”, attached hereto as Exhibits C); and 7,992,773 (the “773 patent”, attached hereto as Exhibits D) (collectively the “Patents-In-Suit”) pursuant to 35 U.S.C. § 271, and to recover damages, attorney’s fees, and costs.

**THE PARTIES**

2. Plaintiff Symbology is a Texas company with its principal place of business at 1400 Preston Road, Suite 400, Plano, TX 75093.

3. Upon information and belief, Defendant is a company organized under the laws of Delaware, having a principal place of business at 3 Giralda Farms, Madison, NJ 07940. Upon information and belief, Defendant may be served with process at Corporation Service Company, 2711 Centerville Rd., Suite 400, Wilmington, DE 19808.

### **JURISDICTION AND VENUE**

4. The Court has subject matter jurisdiction over this action pursuant to 28 U.S.C. §§1331 and 1338(a) because the action arises under the Patent Laws of the United States, 35 U.S.C. §§ 1 *et seq.*

5. This Court has personal jurisdiction over Defendant by virtue of its systematic and continuous contacts with this jurisdiction, including having the right to transact business in New Jersey, as well as because of the injury to Symbology, and the cause of action Symbology has risen, as alleged herein.

6. Defendant is subject to this Court's specific and general personal jurisdiction pursuant to due process and/or the New Jersey Long Arm Statute, due at least to its substantial business in this forum, 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 New Jersey and in this judicial district.

7. Defendant has conducted and does conduct business within the state of New Jersey, including the geographic region within the District of New Jersey, directly or through intermediaries, or offers and advertises (including through the use of interactive web pages with promotional material) products or services, or uses services or products in New Jersey, including

this judicial district, in a manner that infringes the Patents-In-Suit.

8. Specifically, Defendant solicits business from and markets its services to consumers within New Jersey, including the geographic region within the District of New Jersey, by providing products/services that requires the use of a method for presenting information about an object on a portable electronic device, as described in the Patents-In-Suit.

9. In addition to Defendant's continuously and systematically conducting business in New Jersey, the causes of action against Defendant are connected (but not limited) to Defendant's purposeful acts committed in the state of New Jersey including Defendant's use of a method for presenting information about an object on a portable electronic device, as described in the Patents-In-Suit.

10. Venue lies in this judicial district pursuant to 28 U.S.C. §§1391 and 1400(b).

### **FACTUAL ALLEGATIONS**

#### *'752 patent*

11. On April 23, 2013, the United States Patent and Trademark Office ("USPTO") duly and legally issued the '752 patent, titled "System and method for presenting information about an object on a portable electronic device" after a full and fair examination.

12. Symbology is presently the owner of the patent, having received all right, title and interest in and to the '752 patent from the previous assignee of record. Symbology possesses all rights of recovery under the '752 patent, including the exclusive right to recover for past infringement.

13. The '752 patent contains three independent claims and twenty-five dependent claims. Defendant uses, inter alia, methods that perform all the steps recited in at least one claim of the '752 patent.

14. The invention claimed in the '752 patent comprises a method for enabling a portable electronic device to retrieve information about an object when the object's symbology, is detected.

*'369 patent*

15. On February 18, 2014, the United States Patent and Trademark Office ("USPTO") duly and legally issued the '369 patent, titled "System and method for presenting information about an object on a portable electronic device" after a full and fair examination.

16. Symbology is presently the owner of the patent, having received all right, title and interest in and to the '369 patent from the previous assignee of record. Symbology possesses all rights of recovery under the '369 patent, including the exclusive right to recover for past infringement.

17. The '369 patent contains three independent claims and twenty-five dependent claims. Defendant uses, inter alia, methods that perform all the steps recited in at least one claim of the '369 patent.

18. The invention claimed in the '369 patent comprises a method for enabling a portable electronic device to retrieve information about an object when the object's symbology, is detected.

*'190 patent*

19. On January 20, 2015, the United States Patent and Trademark Office ("USPTO") duly and legally issued the '190 patent, titled "System and method for presenting information about an object on a portable electronic device" after a full and fair examination.

20. Symbology is presently the owner of the patent, having received all right, title and interest in and to the '190 patent from the previous assignee of record. Symbology possesses all

rights of recovery under the '190 patent, including the exclusive right to recover for past infringement.

21. The '190 patent contains three independent claims and seventeen dependent claims. Defendant uses, inter alia, methods that perform all the steps recited in at least one claim of the '190 patent.

22. The invention claimed in the '190 patent comprises a method for enabling a portable electronic device to retrieve information about an object when the object's symbology, is detected.

*'773 patent*

23. On August 9, 2011, the United States Patent and Trademark Office ("USPTO") duly and legally issued the '773 patent, titled "System and method for presenting information about an object on a portable electronic device" after a full and fair examination.

24. Symbology is presently the owner of the patent, having received all right, title and interest in and to the '773 patent from the previous assignee of record. Symbology possesses all rights of recovery under the '773 patent, including the exclusive right to recover for past infringement.

25. The '773 patent contains three independent claims and fifteen dependent claims. Defendant uses, inter alia, methods that perform all the steps recited in at least one claim of the '190 patent.

26. The invention claimed in the '773 patent comprises a method for enabling a portable electronic device to retrieve information about an object when the object's symbology, is detected.

**COUNT I**  
**INFRINGEMENT OF THE '752 PATENT**

27. Plaintiff realleges and incorporates by reference the allegations set forth in paragraphs 1 to 26.

28. In violation of 35 U.S.C. § 271, Defendant is now, and has been directly infringing the '752 patent

29. Defendant has had knowledge of infringement of the '752 patent at least as of the service of the present complaint.

30. On information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 5, of the '752 patent by using and/or incorporating Quick Response Codes (QR codes) in promotional material in a manner covered by one or more claims of the '752 Patent. Defendant has infringed and continues to infringe the '752 Patent in violation of 35 U.S.C. § 271.

31. On information and belief, Defendant has, at least through internal testing, used or incorporated QR codes in promotional material, associating such QR codes with products and/or services. One specific example of Defendant's activity involves the use of QR codes on Defendant's brochure for ClariSure Oligo-SNP Postnatal Chromosomal Microarray Analysis.

32. For example, on information and belief, Defendant has at least internally tested the functionality of its QR codes in connection with its promotional material. On information and belief, Defendant has captured a digital image of a QR code associated with promotional material, an example of which is shown below.

\* The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.

Empowering  
Better Health  
with Diagnostic Insights

For more information about Postnatal Microarray testing, speak to your Quest Diagnostics sales representative or [QuestDiagnostics.com](http://QuestDiagnostics.com)

Learn more by visiting [QuestDiagnostics.com](http://QuestDiagnostics.com) or by scanning this QR code.



#### References

1. Manning M, Hudgins L, Professional Practice and Guidelines Committee. Array-based technology and recommendations for utilization in medical genetics practice for detection of chromosomal abnormalities. *Genet Med*. 2013;15(12):142-145.
2. National Research Council. *Educating Children with Autism*. Washington, DC: National Academy Press, 2001.

[QuestDiagnostics.com](http://QuestDiagnostics.com)

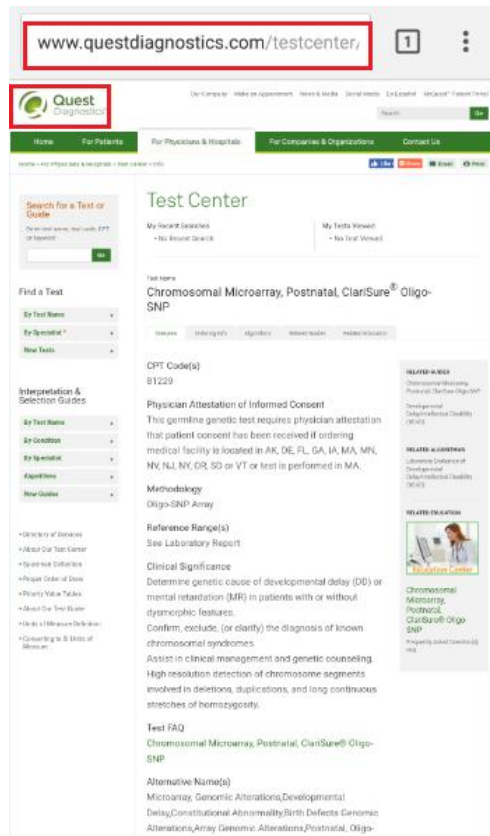
Quest, Quest Diagnostics, any associated logos, and all associated Quest Diagnostics registered or unregistered trademarks are the property of Quest Diagnostics. All third party marks - ® and ™ - are the property of their respective owners. Any person shown in this material is a model. ©2013 Quest Diagnostics Incorporated. All rights reserved. 583624 10/2013

33. On information and belief, at least through internal testing, Defendant has used a digital image capturing device of a portable electronic device, such as the camera component of a smart phone for example, to capture a digital image of the QR code associated with its products/services and promotional material.

34. On information and belief, Defendant's capture of the digital image is processed by scanning technology loaded onto the portable electronic device. The scanning technology detects symbology (for example, a pattern within the QR code) associated with an object (for example, the product or service associated with the QR code). On information and belief the scanning technology is used to decode the symbology to obtain a decode string. The decode string is sent to a remote server for further processing. Based on the decode string, the remote server sends information associated with the QR code, which is received by the user of the portable electronic device and displayed on a display associated with the portable electronic device.

35. For example, if a user scans a QR code associated with Defendant's promotional material, scanning technology decodes the pattern of the QR code to obtain a decode string and sends the decode string to a remote server. The server returns information associated with the QR code. In this example, the information received by the user and displayed on the portable electronic

device is information related to Defendant’s products/services, and includes a website providing additional information about the product/service as shown below.



36. On information and belief, Defendant, at least during internal use and testing, uses a visual detection system (e.g., a smartphone camera and QR code scanning application) that is configured to automatically detect symbology (e.g., the QR code scanning application and its associated camera will automatically detect symbology in a QR code when said code is scanned).

37. By engaging in the conduct described herein, Defendant has injured Symbology and is thus liable for infringement of the ‘752 patent, pursuant to 35 U.S.C. § 271.

38. Defendant has committed these acts of infringement without license or authorization.



39. As a result of Defendant's infringement of the '752 patent, Symbology has suffered monetary damages and is entitled to a monetary judgment in an amount adequate to compensate for Defendant's past infringement, together with interests and costs.

40. Symbology will continue to suffer damages in the future unless Defendant's infringing activities are enjoined by this Court. As such, Symbology is entitled to compensation for any continuing and/or future infringement up until the date that Defendant is finally and permanently enjoined from further infringement.

**COUNT II**  
**INFRINGEMENT OF THE '369 PATENT**

41. Plaintiff realleges and incorporates by reference the allegations set forth in paragraphs 1 to 40.

42. In violation of 35 U.S.C. § 271, Defendant is now, and has been directly infringing the '369 patent.

43. Defendant has had knowledge of infringement of the '369 patent at least as of the service of the present complaint.

44. On information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 5, of the '369 Patent by using and/or incorporating Quick Response Codes (QR codes) in promotional material in a manner covered by one or more claims of the '369 Patent. Defendant has infringed and continues to infringe the '369 Patent in violation of 35 U.S.C. § 271.

45. On information and belief, Defendant has, at least through internal testing, used or incorporated QR codes in promotional material, associating such QR codes with products and/or services. One specific example of Defendant's activity involves the use of QR codes on Defendant's brochure for ClariSure Oligo-SNP Postnatal Chromosomal Microarray Analysis.

46. For example, on information and belief, Defendant has at least internally tested the functionality of its QR codes in connection with its promotional material. On information and belief, Defendant has captured a digital image of a QR code associated with its promotional material, an example of which is shown below.

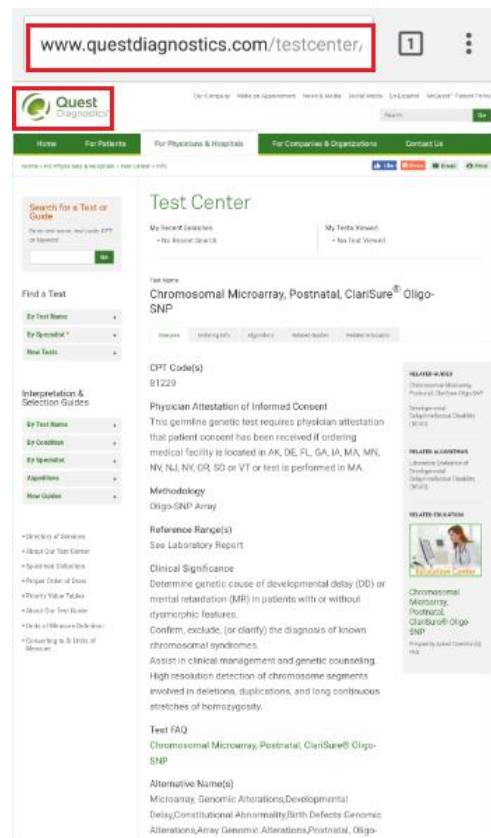


47. On information and belief, at least through internal testing, Defendant has used a digital image capturing device of a portable electronic device, such as the camera component of a smart phone for example, to capture a digital image of the QR code associated with its products/services and promotional material.

48. On information and belief, Defendant's capture of the digital image is processed by scanning technology loaded onto the portable electronic device. The scanning technology detects symbology (for example, a pattern within the QR code) associated with an object (for example, the products or service associated with the QR code). On information and belief the scanning technology is used to decode the symbology to obtain a decode string. The decode string is sent to a remote server for further processing. Based on the decode string, the remote server sends

information associated with the QR code, which is received by the user of the portable electronic device and displayed on a display associated with the portable electronic device.

49. For example, if a user scans a QR code associated with Defendant's promotional material, scanning technology decodes the pattern of the QR code to obtain a decode string and sends the decode string to a remote server. The server returns information associated with the QR code. In this example, the information received by the user and displayed on the portable electronic device is information about Defendant's products/services, and includes a website providing additional information related to the product as shown below.



50. On information and belief, Defendant, at least during internal use and testing, uses a visual detection system (e.g., a smartphone camera and QR code scanning application) that is

configured to automatically detect symbology (e.g., the QR code scanning application and its associated camera will automatically detect symbology in a QR code when said code is scanned).

51. By engaging in the conduct described herein, Defendant has injured Symbology and is thus liable for infringement of the '369 patent, pursuant to 35 U.S.C. § 271.

52. Defendant has committed these acts of infringement without license or authorization.

53. As a result of Defendant's infringement of the '369 patent, Symbology has suffered monetary damages and is entitled to a monetary judgment in an amount adequate to compensate for Defendant's past infringement, together with interests and costs.

54. Symbology will continue to suffer damages in the future unless Defendant's infringing activities are enjoined by this Court. As such, Symbology is entitled to compensation for any continuing and/or future infringement up until the date that Defendant is finally and permanently enjoined from further infringement.

**COUNT III**  
**INFRINGEMENT OF THE '190 PATENT**

55. Plaintiff realleges and incorporates by reference the allegations set forth in paragraphs 1 to 54.

56. In violation of 35 U.S.C. § 271, Defendant is now, and has been directly infringing the '190 patent.

57. Defendant has had knowledge of infringement of the '190 patent at least as of the service of the present complaint.

58. On information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 5, of the '190 Patent by using and/or incorporating Quick

Response Codes (QR codes) in promotional material in a manner covered by one or more claims of the '190 Patent. Defendant has infringed and continues to infringe the '190 Patent in violation of 35 U.S.C. § 271.

59. On information and belief, Defendant has, at least through internal testing, used or incorporated QR codes in promotional material, associating such QR codes with products and/or services. One specific example of Defendant's activity involves the use of QR codes on Defendant's brochure for ClariSure Oligo-SNP Postnatal Chromosomal Microarray Analysis.

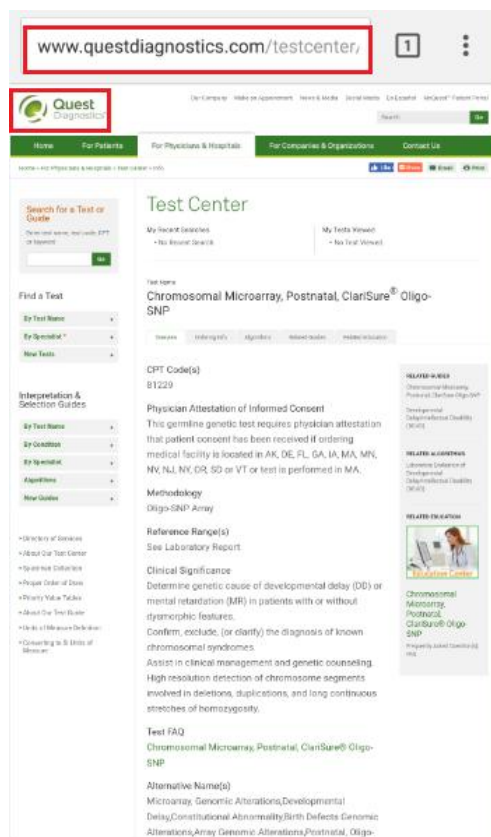
60. For example, on information and belief, Defendant has at least internally tested the functionality of its QR codes in connection with its promotional material. On information and belief, Defendant has captured a digital image of a QR code associated with its promotional material, an example of which is shown below.



61. On information and belief, at least through internal testing, Defendant has used a digital image capturing device of a portable electronic device, such as the camera component of a smart phone for example, to capture a digital image of the QR code associated with its products/services and promotional material.

62. On information and belief, Defendant's capture of the digital image is processed by scanning technology loaded onto the portable electronic device. The scanning technology detects symbology (for example, a pattern within the QR code) associated with an object (for example, the products or service associated with the QR code). On information and belief the scanning technology is used to decode the symbology to obtain a decode string. The decode string is sent to a remote server for further processing. Based on the decode string, the remote server sends information associated with the QR code, which is received by the user of the portable electronic device and displayed on a display associated with the portable electronic device.

63. For example, if a user scans a QR code associated with Defendant's promotional material, scanning technology decodes the pattern of the QR code to obtain a decode string and sends the decode string to a remote server. The server returns information associated with the QR code. In this example, the information received by the user and displayed on the portable electronic device is information about Defendant's products, and includes a website providing additional information related to the product as shown below.



64. On information and belief, Defendant, at least during internal use and testing, uses a visual detection system (e.g., a smartphone camera and QR code scanning application) that is configured to automatically detect symbology (e.g., the QR code scanning application and its associated camera will automatically detect symbology in a QR code when said code is scanned).

65. By engaging in the conduct described herein, Defendant has injured Symbology and is thus liable for infringement of the '190 patent, pursuant to 35 U.S.C. § 271.

66. Defendant has committed these acts of infringement without license or authorization.

67. As a result of Defendant's infringement of the '190 patent, Symbology has suffered monetary damages and is entitled to a monetary judgment in an amount adequate to compensate for Defendant's past infringement, together with interests and costs.

68. Symbology will continue to suffer damages in the future unless Defendant's infringing activities are enjoined by this Court. As such, Symbology is entitled to compensation for any continuing and/or future infringement up until the date that Defendant is finally and permanently enjoined from further infringement.

**COUNT IV**  
**INFRINGEMENT OF THE '773 PATENT**

69. Plaintiff realleges and incorporates by reference the allegations set forth in paragraphs 1 to 68.

70. In violation of 35 U.S.C. § 271, Defendant is now, and has been directly infringing the '773 patent.

71. Defendant has had knowledge of infringement of the '773 patent at least as of the service of the present complaint.

72. On information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 4, of the '773 Patent by using and/or incorporating Quick Response Codes (QR codes) in promotional material in a manner covered by one or more claims of the '773 Patent. Defendant has infringed and continues to infringe the '773 Patent in violation of 35 U.S.C. § 271.

73. On information and belief, Defendant has, at least through internal testing, used or incorporated QR codes in its promotional material, associating such QR codes with products and/or services. One specific example of Defendant's activity involves the use of QR codes on Defendant's brochure for ClariSure Oligo-SNP Postnatal Chromosomal Microarray Analysis.

74. For example, on information and belief, Defendant has at least internally tested the functionality of its QR codes in connection with its promotional material. On information and



belief, Defendant has captured a digital image of a QR code associated with its promotional material, an example of which is shown below.

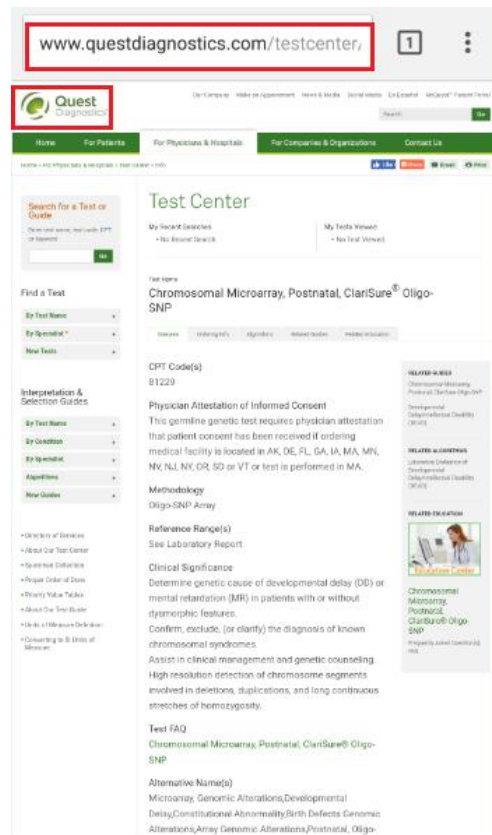


75. On information and belief, at least through internal testing, Defendant has used a digital image capturing device of a portable electronic device, such as the camera component of a smart phone for example, to capture a digital image of the QR code associated with its products/services and promotional material.

76. On information and belief, Defendant's capture of the digital image is processed by scanning technology loaded onto the portable electronic device. The scanning technology detects symbology (for example, a pattern within the QR code) associated with an object (for example, the products or service associated with the QR code). On information and belief the scanning technology is used to decode the symbology to obtain a decode string. The decode string is then sent to a visual detection application residing on a portable electronic device (i.e., camera residing in the smart phone) for processing. On information and belief the portable electronic device then receives from the visual detection application a first amount of information about the object (e.g., URL corresponding to website associated with Defendant's products or services). After the first

amount of information is received, the decode string is sent to a remote server for processing and a second amount of information (e.g., website and content related to Defendant’s products or services) about the object is received by the portable electronic device. On information and belief the first and second amounts of information are then combined to obtain cumulative information (e.g., a display of both the URL and the corresponding website related to Defendant’s products or services) to be displayed in the portable electronic device (e.g., on the display of the smart phone or tablet).

77. For example, the cumulative information received by the user and displayed on the portable electronic device includes the URL and the corresponding website related to the Defendant’s products/services, as shown below.



78. Furthermore, on information and belief, the portable electronic device utilized by Defendant, at least during internal use and testing, allows for a visual detection system (e.g. the camera functionality in combination with the QR Code Scanning application) to run in the background with respect to other systems associated with the mobile device (e.g. the QR Code scanning application and its corresponding camera functionality can run in the background in standby), the visual detection systems comprising one or more visual detection applications (e.g. QR code scanning applications) and one or more visual detection devices (e.g. the camera integrated on the smartphone), the one or more visual detection devices configured to detect the symbology associated with the object (e.g. the camera on the smartphone is configured to detect and decode QR codes via the QR code scanning application). As shown below, the visual detection systems can run in the background with respect to other systems associated with the portable electronic device.

## About Multitasking on your iPhone, iPad, and iPod touch

With Multitasking, you can use more than one app at a time on your iOS device. You can also use features like Slide Over, Split View, and Picture in Picture on certain iPad models.

### Switch between apps

You can quickly switch from one app to another on your iOS device. When you switch back, you can pick up right where you left off. Follow these steps:

1. Double-click the Home button to see recently used apps.
2. Swipe left or right to find the app that you want to use.
3. Tap the app.

If you have an iPhone 6s or later, you can use 3D Touch to switch to a previous app. Just press the left side of your screen, then swipe right. You can also view your recently used apps by pressing the left side of your screen.

On your iPad, you can see recently used apps by swiping up from the bottom of your screen with four fingers. If you have a keyboard paired to your iPad Pro, you can switch between apps by pressing Command-Tab.



79. On information and belief, Defendant, at least during internal use and testing, uses a visual detection system (e.g., a smartphone camera and QR code scanning application) that is configured to automatically detect symbology (e.g., the QR code scanning application and its associated camera will automatically detect symbology in a QR code when said code is scanned).

80. By engaging in the conduct described herein, Defendant has injured Symbology and is thus liable for infringement of the '773 patent, pursuant to 35 U.S.C. § 271.

81. Defendant has committed these acts of infringement without license or authorization.

82. As a result of Defendant's infringement of the '773 patent, Symbology has suffered monetary damages and is entitled to a monetary judgment in an amount adequate to compensate for Defendant's past infringement, together with interests and costs.

83. Symbology will continue to suffer damages in the future unless Defendant's infringing activities are enjoined by this Court. As such, Symbology is entitled to compensation for any continuing and/or future infringement up until the date that Defendant is finally and permanently enjoined from further infringement.

**DEMAND FOR JURY TRIAL**

84. Symbology demands a trial by jury of any and all causes of action.

**PRAYER FOR RELIEF**

WHEREFORE, Symbology prays for the following relief:

a. That Defendant be adjudged to have directly infringed the Patents-In-Suit either literally or under the doctrine of equivalents;

b. That Defendant, its officers, directors, agents, servants, employees, attorneys, affiliates, divisions, branches, parents, and those persons in active concert or participation with any of them, be permanently restrained and enjoined from directly infringing the ‘Patents-In-Suit;

c. An award of damages pursuant to 35 U.S.C. §284 sufficient to compensate Symbology for the Defendant’s past infringement and any continuing or future infringement up until the date that Defendant is finally and permanently enjoined from further infringement, including compensatory damages;

d. An assessment of pre-judgment and post-judgment interest and costs against Defendant, together with an award of such interest and costs, in accordance with 35 U.S.C. §284;

e. That Defendant be directed to pay enhanced damages, including Symbology’s attorneys’ fees incurred in connection with this lawsuit pursuant to 35 U.S.C. §285; and

f. That Symbology have such other and further relief as this Court may deem just and proper.

Dated: March 30, 2017

Respectfully Submitted,

By: /s/Jean-Marc Zimmerman  
Jean-Marc Zimmerman  
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