



Segundo, California 90245-3501. DirecTV can be served with process through its agent Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808.

3. Upon information and belief and after a reasonable opportunity for further discovery, Defendant The DirecTV Group, Inc. is a corporation organized and existing under the laws of the state of Delaware, having a principal place of business at 2230 East Imperial Hwy, El Segundo, California 90245-3504. The DirecTV Group, Inc. can be served with process through its agent The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

4. Upon information and belief and after a reasonable opportunity for further discovery, Defendant DirecTV Holdings LLC is a limited liability company organized and existing under the laws of the state of Delaware, having a principal place of business at 2230 East Imperial Hwy, El Segundo, California 90245-3504. DirecTV Holdings LLC can be served with process through its agent Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808.

5. Upon information and belief and after a reasonable opportunity for further discovery, Defendant DirecTV, LLC is a limited liability company organized and existing under the laws of the state of California, having a principal place of business at 2260 East Imperial Hwy, El Segundo, California 90245-3501. DirecTV, LLC can be served with process through its agent Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808.

#### **JURISDICTION AND VENUE**

6. This is an action for patent infringement arising under the patent laws of the United States, 35 U.S.C. § 1 et seq., alleging infringement of the '259 and '476 patents. Copies of the

patents are attached hereto as Exhibits A and B and are incorporated herein by reference in their entireties.

7. The Court has exclusive subject matter jurisdiction over this action under 28 U.S.C. §§ 1331 and 1338(a).

8. This Court has personal jurisdiction over DirecTV because DirecTV is a corporation organized under the laws of this state and DirecTV has routinely and systematically conducted business in this District and upon information and belief has infringed, contributed to infringement of, and/or actively induced others to infringe the '259 and '476 patents in this District as alleged in this Complaint. Finally, DirecTV is a registered entity in this District as described in paragraphs 2–5.

9. Venue is proper under 28 U.S.C. §§ 1391(b), 1391(c), and/or 1400(b).

#### **PATENTS-IN-SUIT**

10. The '259 patent entitled “Open network system for I/O operation including a common gateway interface and an extended open network protocol with non-standard I/O devices utilizing device and identifier for operation to be performed with device” was duly and legally issued to inventor Richard Hiers Wagner on June 1, 2004. See Exhibit A.

11. The '476 patent entitled “Open network system and method for I/O operations with non-standard I/O devices using an extended open network protocol” was duly and legally issued to inventor Mr. Wagner on June 14, 2005. See Exhibit B.

12. In the early 1990s, Mr. Wagner recognized that the Internet provided a network where nontraditional devices could communicate and share information. While traditional computers (e.g., a combination of a QWERTY keyboard and display screen) had well-known language protocols in place to facilitate the exchange of information on the Internet, there was a need for

the ability for nontraditional devices (e.g., those lacking both a QWERTY keyboard and display screen) to communicate on the network as well.

13. Mr. Wagner dedicated himself to inventing the language protocols necessary to open the network to all manner of intelligent electronic devices.

14. The idea was to define an architecture for pervasive peer-to-peer network connectivity of intelligent appliances, wireless devices, and PCs of all form factors that would be easy to use and flexible for connectivity to *ad hoc* or unmanaged networks whether in the home, a small business, public spaces, or attached to the Internet.

15. Mr. Wagner's envisioned architecture is designed to support zero-configuration, "invisible" networking, and automatic discovery for a breadth of device categories. This means a device can dynamically join a network, obtain an IP address, convey its capabilities, and learn about the presence and capabilities of other devices.

16. Mr. Wagner's inventions are described in the '259 and '476 patents (among other patents).

17. All right, title and interest to these patents was initially assigned to the company Datascape, Inc.

18. The '259 and '476 patents, and the patent family from which they are members, are battle-tested; they have been asserted against over 40 companies in patent infringement actions resulting in millions of dollars in settlements.

19. In addition, Mr. Wagner's patents have been cited by the United States Patent Office against other applications over 1000 times and have held up against hundreds of pieces of prior art. Additionally, both the '259 patent and '476 patents have survived reexamination proceedings from the United States Patent Office.

20. On April 15, 2014, Datascope assigned the '259 and '476 patents to ONS, a wholly owned subsidiary of WiLAN, Inc. ("WiLAN").

21. WiLAN and its wholly owned subsidiaries partner with individual inventors and small companies with limited resources and help them contend against large, unauthorized infringers such as DirecTV.

### **INFRINGING GOODS/SERVICES**

22. It has recently come to ONS's attention that DirecTV infringes the '259 and '476 patents.

23. DirecTV manufactures, sells, offers for sale, and uses devices such as the DirecTV Genie HD DVR ("the Genie").

24. There are multiple models of the Genie, and, upon information and belief, the models are substantially similar, with later models being merely upgraded versions of earlier models.

25. These devices fall within the scope of the '259 and '476 patents.

26. For example, claim 1 of the '259 patent provides:

A system for supporting communication between processing systems and non-standard I/O devices over an open network comprising:

a server that processes extended open network statements, said server being communicatively coupled to an open network;

a first non-standard I/O device communicatively coupled to said open network;

and a client program executing within said first non-standard I/O device for processing extended open network statements so that said first non-standard I/O device may communicate with said server.

27. Similarly, claim 14 of the '476 patent provides:

A method for processing extended open network protocol statements so a non-standard I/O device may communicate with a processing system over an open network comprising:

receiving extended open network protocol statements over an open network;

and processing said received extended open network protocol statements to control an operation associated with a non-standard I/O device.

28. The Genie and the Wireless Genie Mini Client are non-standard I/O devices.
29. Generally, these devices communicate with open networks through the use of extended open network protocol statements. These devices also utilize client programs for such communications.
30. Further, the Genie, the Wireless Genie Mini, and the DirecTV Wireless Video Bridge use RVU—a protocol specification built using open standards, including, but not limited to, Digital Living Network Alliance (“DLNA”) open interoperability standards such as Universal Plug and Play (“UPnP”).
31. Given this, they fall within the scope of the claims of the ’259 and ’476 patents.

### **COUNT I**

#### **DIRECTV’S PATENT INFRINGEMENT** **UNDER 35 U.S.C. § 271 OF THE ’259 PATENT**

32. ONS incorporates by reference the allegations of paragraphs 1–31.
33. The ’259 patent was duly and legally issued by the United States Patent and Trademark Office on June 1, 2004, after full and fair examination. A reexamination certificate issued on February 18, 2014.
34. Plaintiff is the assignee of all rights, title, and interest in and to the ’259 patent and possesses all rights of recovery under the ’259 patent.
35. DirecTV has directly infringed the ’259 patent at a minimum by making, using, offering to sell, and selling within the United States products and services that practice the inventions of the ’259 patent, namely non-standard products that access content over the open networks, and these products/services have no substantial non-infringing uses.

36. DirecTV has contributorily infringed the '259 patent and induced infringement of the '259 patent at least after the filing of the complaint.

37. DirecTV continues to manufacture, make, offer for sale, and sell goods that violate the patent.

38. In addition and upon belief, DirecTV encourages its customers to operate the products in an infringing manner.

39. DirecTV has caused and will continue to cause ONS damage by virtue of its continuing infringement.

40. ONS is entitled to recover from DirecTV the damages sustained by ONS as a result of DirecTV's acts in an amount subject to proof at trial.

41. Upon information and belief and after an opportunity for further discovery, DirecTV's infringement of the '259 patent is willful and deliberate at a minimum starting from the date of this filing.

## **COUNT II**

### **DIRECTV'S PATENT INFRINGEMENT** **UNDER 35 U.S.C. § 271 OF THE '476 PATENT**

42. ONS incorporates by reference the allegations of paragraphs 1–41.

43. The '476 patent was duly and legally issued by the United States Patent and Trademark Office on June 14, 2005 after full and fair examination. The '476 patent also survived reexamination proceedings from the United States Patent Office which ended in April 2014.

44. Plaintiff is the assignee of all rights, title, and interest in and to the '476 patent and possesses all rights of recovery under the '476 patent.

45. DirecTV has directly infringed the '476 patent at a minimum by making, using, offering to sell, and selling within the United States products and services that practice the inventions of

the '259 patent, namely non-standard products that access content over the Internet, and these products/services have no substantial non-infringing uses.

46. DirecTV has contributorily infringed the '476 patent and induced infringement of the '476 patent at least after the filing of the complaint.

47. DirecTV continues to manufacture, make, offer for sale, and sell goods that violate the patent.

48. In addition and upon belief, DirecTV encourages its customers to operate the products in an infringing manner.

49. DirecTV has caused and will continue to cause ONS damage by virtue of its continuing infringement.

50. ONS is entitled to recover from DirecTV the damages sustained by ONS as a result of DirecTV's acts in an amount subject to proof at trial.

51. Upon information and belief and after an opportunity for further discovery, DirecTV's infringement of the '476 patent is willful and deliberate at a minimum starting from at least the date of this filing.

#### **PRAYER FOR RELIEF**

WHEREFORE, Open Network Solutions, Inc. respectfully requests that the Court enter a judgment as follows:

- A. A judgment that DirecTV has directly infringed the '259 and '476 patents, contributorily infringed the '259 and '476 patents, induced infringement of the '259 and '476 patents, and willfully infringed the '259 and '476 patents;



- B. A judgment and order requiring DirecTV to pay Plaintiff 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;
- C. A judgment and order requiring DirecTV to pay Plaintiff pre-judgment and post-judgment interest on the damages awarded;
- D. A judgment and order requiring DirecTV to pay Plaintiff the costs of this action (including all disbursements) and attorney's fees as provided by 35 U.S.C. § 285; and
- E. Such other and further relief as the Court deems just and equitable.

**DEMAND FOR JURY TRIAL**

Plaintiff hereby requests that all issues be determined by jury.

Dated: May 28, 2014

*Of Counsel:*

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