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(54) **PROVIDING AND RECEIVING NETWORK ACCESS**

(75) Inventors: **Shimon Scherzer**, Los Gatos, CA (US); **Tamir Scherzer**, Herzelia (IL)

(73) Assignee: **Wefi, Inc.**, Marlborough, MA (US)

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　　G06F 15/16　　　(2006.01)

(52) **U.S. Cl.**
　　USPC **709/225**; 709/220; 709/229

(58) **Field of Classification Search**
　　USPC 709/225
　　See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,498,786 B1 *	12/2002	Kirkby et al.	370/322
7,103,661 B2	9/2006	Klein	

7,266,595 B1	9/2007	Black et al.	
7,359,387 B2 *	4/2008	Wang	370/400
7,483,984 B1	1/2009	Jonker et al.	
2002/0085719 A1 *	7/2002	Crosbie	380/248
2002/0087573 A1 *	7/2002	Reuning et al.	707/102
2002/0120757 A1 *	8/2002	Sutherland et al.	709/229
2002/0124188 A1 *	9/2002	Sherman et al.	713/201
2002/0184310 A1 *	12/2002	Traversat et al.	709/204
2003/0005133 A1 *	1/2003	Banerjee et al.	709/229
2003/0028596 A1 *	2/2003	Toyota et al.	709/204
2004/0066759 A1	4/2004	Molteni et al.	
2004/0209622 A1 *	10/2004	Kotzin	455/452.1
2005/0070279 A1	3/2005	Ginzburg et al.	
2005/0198388 A1 *	9/2005	Teodosiu et al.	709/245
2005/0223086 A1 *	10/2005	Raverdy et al.	709/220

(Continued)

OTHER PUBLICATIONS

Bahl et al. "MultiNet: Connecting to Multiple IEEE 802.11 Networks Using a Single Wireless Card." Technical Report MSR-TR-2003-46. Aug. 2003. Microsoft Research Microsoft Corporation. Redmond, WA.
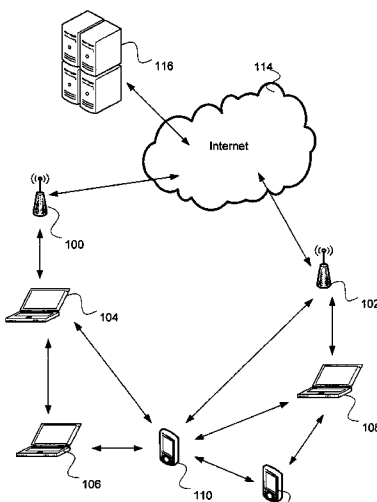
Primary Examiner — Richard G Keehn

(74) *Attorney, Agent, or Firm* — Finnegan, Henderson, Farabow, Garrett & Dunner, LLP

(57) **ABSTRACT**

The disclosure concerns the expansion of wireless network access beyond networks for which a user is registered. A method of facilitating connection to a wireless network access point includes receiving a request from a user device for access information-required to connect to a network through an access point. The network being a network for which the user is not registered, determining user contribution account acceptability for the access point, and providing the access information to the user if the user contribution account is acceptable for said access point. In this manner, users who are willing to share network access to networks for which they are registered will be able to access networks for which they are not registered.

55 Claims, 6 Drawing Sheets

(56)   **References Cited**

U.S. PATENT DOCUMENTS

2006/0031515 A1 *   2/2006   Van Gassel et al. 709/227
2006/0089157 A1 *   4/2006   Casey et al. 455/456.3

2006/0168438 A1   7/2006   Klein
2007/0066304 A1   3/2007   Lee
2008/0013487 A1   1/2008   Molteni et al.

* cited by examiner

FIG. 1

Start

200

Transmit Registration Information

202

Receive Client Software

204

Install Client Software

End

FIG. 2

Start

300

Receive Registration
Information

302

Establish User Contribution
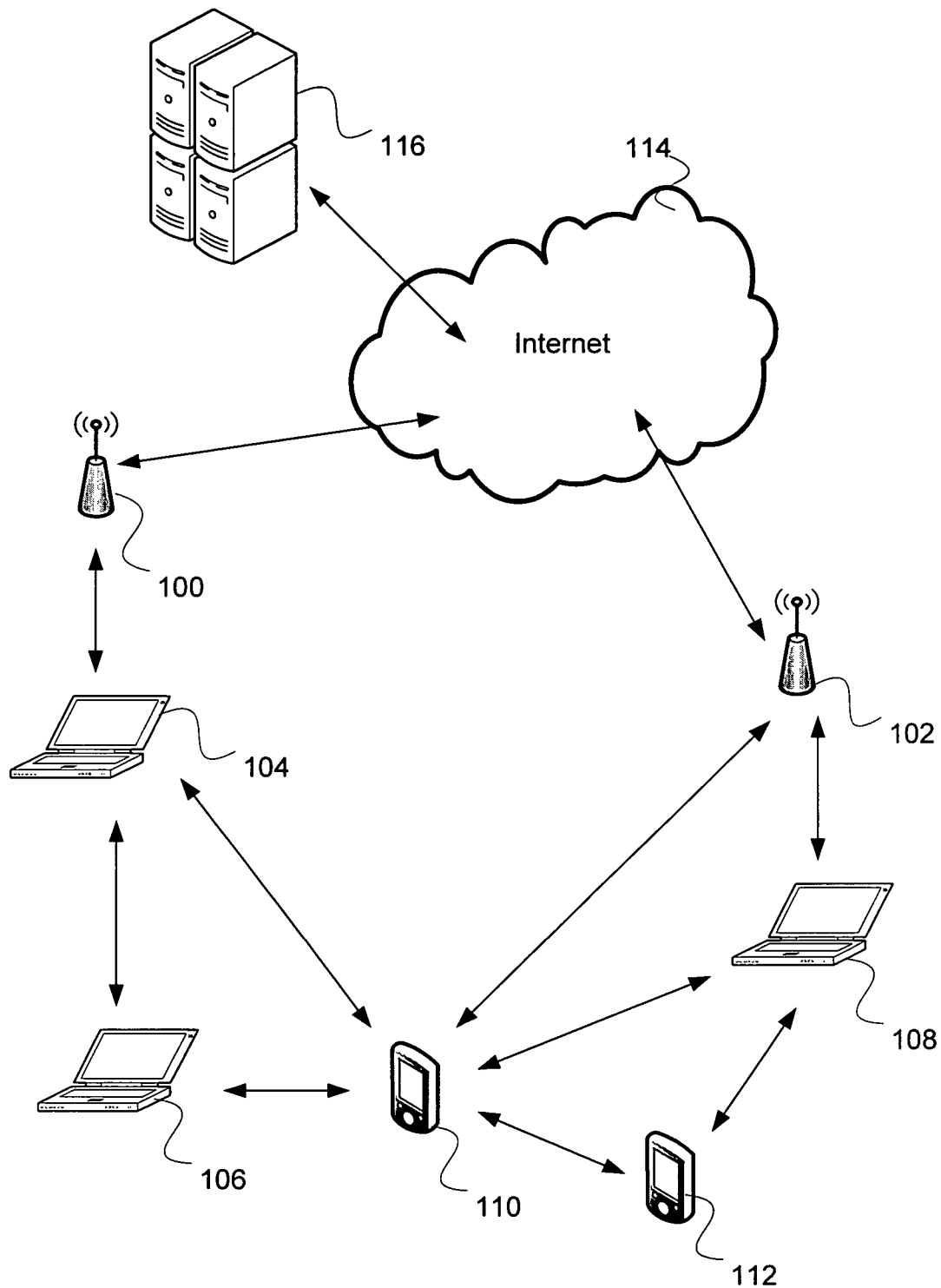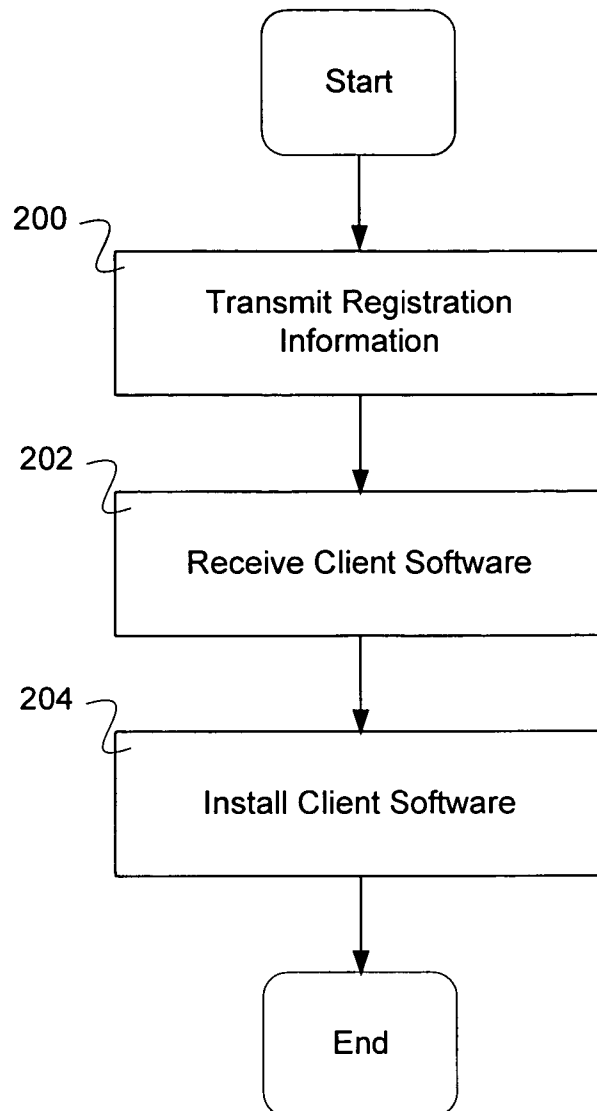Account
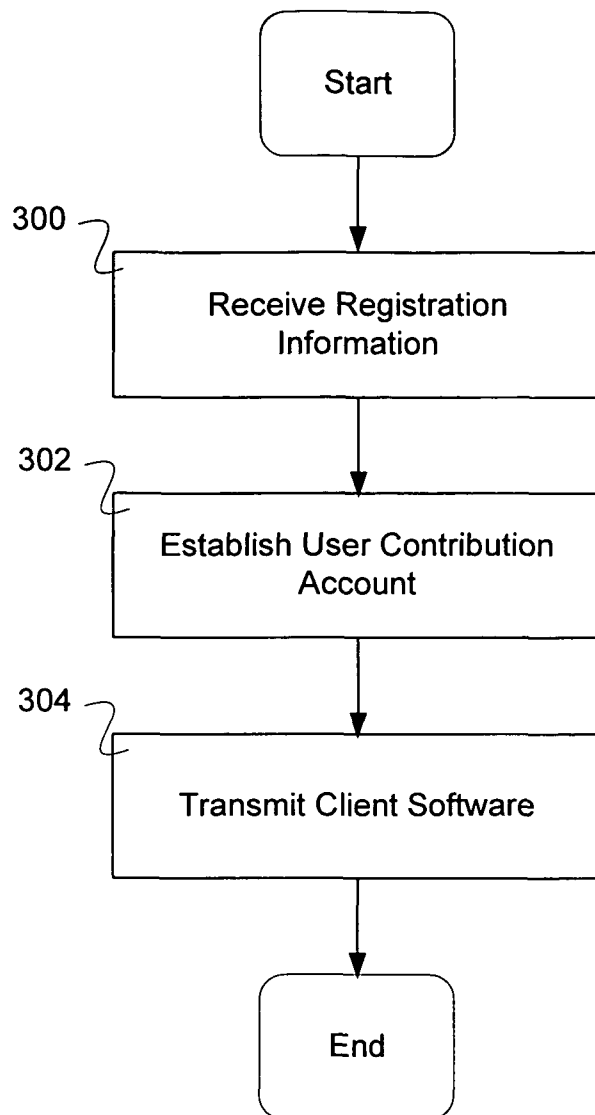
304

Transmit Client Software

End

FIG. 3

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