US008965366B1

(12) **United States Patent**
Somayajula et al.

(10) **Patent No.: US 8,965,366 B1**
(45) **Date of Patent: Feb. 24, 2015**

(54) **WORLD SIM**

(75) Inventors: **Siva Rama Kumar Somayajula**, Palo Alto, CA (US); **Clifton Liu**, Santa Clara, CA (US); **Kenneth P. Kiraly**, Menlo Park, CA (US); **Varadarajan Gopalakrishnan**, Cupertino, CA (US); **Jay P. Desai**, Cupertino, CA (US); **Subram Narasimhan**, Saratoga, CA (US)

(73) Assignee: **Amazon Technologies, Inc.**, Reno, NV (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 369 days.

(21) Appl. No.: **12/708,476**

(22) Filed: **Feb. 18, 2010**

(51) **Int. Cl.**

H04W 4/00	(2009.01)
H04M 1/66	(2006.01)
H04W 36/00	(2009.01)
H04M 3/00	(2006.01)
H04W 60/00	(2009.01)
H04W 48/16	(2009.01)

(52) **U.S. Cl.**
CPC ***H04W 60/00*** (2013.01); ***H04W 48/16*** (2013.01)
USPC **455/435.1**; 455/432.1; 455/436; 455/410; 455/418; 370/328; 370/329; 370/331

(58) **Field of Classification Search**
CPC H04W 8/183; H04W 8/18; H04W 8/06; H04W 8/265; H04W 8/245; H04W 48/16; H04W 48/18; H04W 88/02; H04W 88/06; H04W 12/06; H04W 4/003; H04W 4/001; G06Q 30/0283; G06Q 30/0601; H04L 63/0853
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,534,888	A		7/1996	Lebby et al.
5,566,098	A		10/1996	Lucente et al.
5,603,084	A		2/1997	Henry, Jr. et al.
5,663,748	A		9/1997	Huffman et al.
5,761,485	A		6/1998	Munyan
5,847,698	A		12/1998	Reavey et al.
5,887,253	A		3/1999	O'Neil et al.
5,999,811	A	*	12/1999	Molne 455/432.3
6,341,270	B1		1/2002	Esposito et al.
6,393,298	B1		5/2002	Fulton
6,879,825	B1		4/2005	Daly
6,915,272	B1		7/2005	Zilliacus et al.
6,947,922	B1		9/2005	Glance

(Continued)

FOREIGN PATENT DOCUMENTS

KR	1020060128515	*	12/2006
WO	WO 02104062 A1	*	12/2002

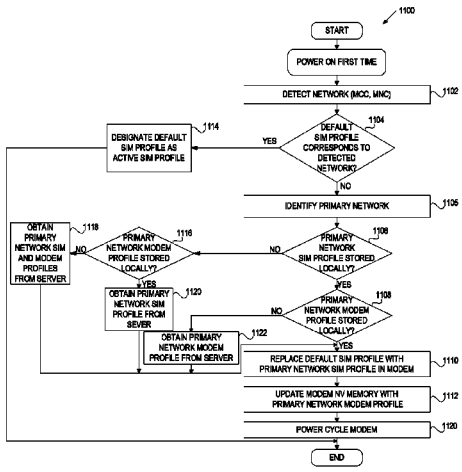
OTHER PUBLICATIONS

USPTO Office Action for U.S. Appl. No. 12/708,488 mailed Apr. 27, 2012.

(Continued)

Primary Examiner — Dwayne Bost
Assistant Examiner — Nalini Mummalaneni
(74) *Attorney, Agent, or Firm* — Lowenstein Sandler LLP

(57) **ABSTRACT**

A user device obtains a device profile corresponding to a primary wireless network at a current location of the user device, reprograms a modem of the user device using the device profile corresponding to the primary wireless network at the current location of the user device, and establishes a network connection using the device profile corresponding to the primary wireless network at the current location of the user device.

28 Claims, 11 Drawing Sheets