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Davis

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(54) **METHOD AND APPARATUS FOR
GENERATING RECOMMENDED CHANGES
TO COMMUNICATION BEHAVIORS**

(58) **Field of Classification Search**

CPC H04W 48/18; H04L 67/22; H04L 51/32
See application file for complete search history.

(71) Applicant: **AT&T Intellectual Property I, L.P.**,
Atlanta, GA (US)

(56)

References Cited

U.S. PATENT DOCUMENTS

(72) Inventor: **Braxton K. Davis**, Atlanta, GA (US)

6,650,739 B1 * 11/2003 Doeberl H04M 1/72547

(73) Assignee: **AT&T INTELLECTUAL
PROPERTY I, L.P.**, Atlanta, GA (US)

7,269,432 B2 * 9/2007 Gress H04L 51/066

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7,529,741 B2 * 5/2009 Aravamudan G06F 17/30035

7,870,264 B2 * 1/2011 Clark H04L 67/24

7,984,106 B2 * 7/2011 Facemire G06Q 10/00

8,078,677 B2 * 12/2011 Mendiola H04L 63/104

8,335,798 B2 * 12/2012 Achlioptas G06F 17/30867

709/224

709/206

707/781

707/785

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(Continued)

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FOREIGN PATENT DOCUMENTS

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CA 2670518 A1 * 6/2008 H04L 51/066

JP 2003115888 4/2003

(Continued)

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Related U.S. Application Data

(57)

ABSTRACT

(63) Continuation of application No. 13/534,929, filed on
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In one embodiment, a method for generating a recommended change to a communication behavior of a first user of a network includes identifying a communication pattern in accordance with data extracted from communications collected in the network, wherein the data is associated with at least one of the first user and an endpoint other than the first user, and generating the recommended change based on the communication pattern, where the recommended change is to the communication behavior of the first user.

(51) **Int. Cl.**

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H04L 12/58 (2006.01)

H04L 29/08 (2006.01)

(52) **U.S. Cl.**

CPC **H04W 48/18** (2013.01); **H04L 51/32**
(2013.01); **H04L 67/22** (2013.01)

20 Claims, 3 Drawing Sheets

