US008731587B2

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

(10) **Patent No.: US 8,731,587 B2**
(45) **Date of Patent: *May 20, 2014**

(54) **METHOD FOR TRANSMITTING MESSAGES IN A TELECOMMUNICATIONS NETWORK**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1027 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **11/975,428**

(22) Filed: **Oct. 19, 2007**

(65) **Prior Publication Data**

US 2008/0274758 A1 Nov. 6, 2008

Related U.S. Application Data

(63) Continuation of application No. 10/182,687, filed as application No. PCT/DE01/00285 on Jan. 25, 2001, now Pat. No. 7,333,822.

(30) **Foreign Application Priority Data**

Feb. 2, 2000 (DE) 100 04 260

(51) **Int. Cl.**
H04W 4/00 (2009.01)

(52) **U.S. Cl.**
USPC **455/466**; 455/412.1; 455/412.2; 455/414.1; 455/418; 455/419; 455/420; 370/310; 370/310.2; 370/312; 370/313; 370/338

(58) **Field of Classification Search**
USPC 455/412.1, 412.2, 414.1, 418–420, 466; 370/310, 310.2, 312, 313, 338
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,625,670	A	4/1997	Campana et al.
5,742,668	A	4/1998	Pepe et al.
5,905,879	A	5/1999	Lambrecht
5,946,629	A	8/1999	Sawyer et al.
6,038,296	A	3/2000	Brunson et al.
6,195,345	B1	2/2001	Kramer
6,205,330	B1	3/2001	Winbladh
6,556,586	B1	4/2003	Sipila

(Continued)

FOREIGN PATENT DOCUMENTS

EP	777 394	6/1997
EP	1 091 601	4/2001

(Continued)

OTHER PUBLICATIONS

3G TS 23.140 V1.0.0, Multimedia Messaging Service; Functional Description; Stage 2 (Dec. 1999) ("MMS Dec. 1999").

(Continued)

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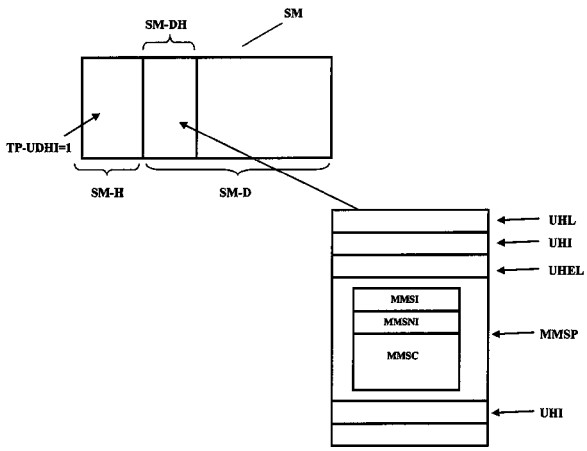
(57) **ABSTRACT**

A method is provided for transmitting messages, for example, in a telecommunications network, in which a first message service and a second message service are available. Dedicated messages of the first message service are sent using messages of the second message service. An exemplary method according to the present invention may permit an optimized transmission scheme to be maintained for the dedicated messages of the first message service.

26 Claims, 4 Drawing Sheets