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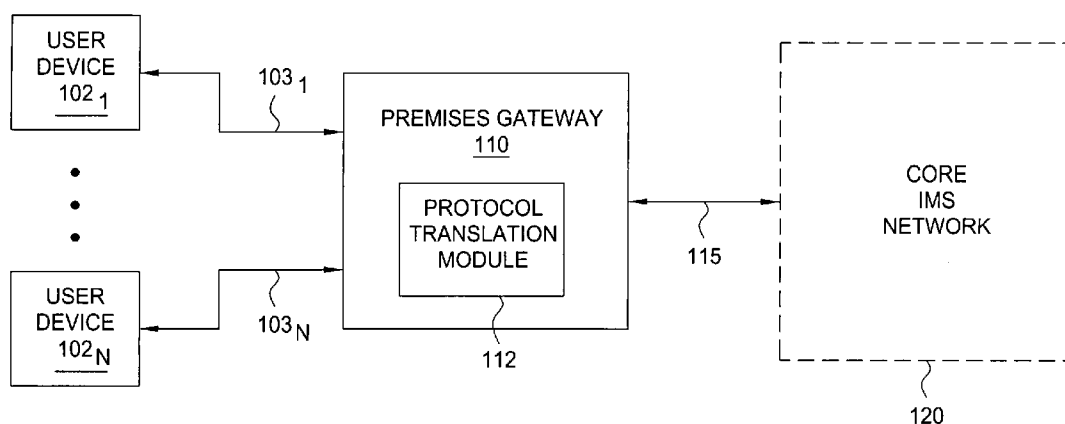
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(54) Title: METHOD AND APPARATUS FOR PROVIDING PROTOCOL TRANSLATION IN SUPPORT OF IMS SERVICES



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FIG. 1

(57) Abstract: The invention includes a method and apparatus for exchanging messages between user devices served by a premises gateway and components of a core IMS network. A method for propagating messages towards a core IMS network includes receiving, at a premises gateway, a message from a user device that is intended for the core IMS network and is formatted according to a first protocol, identifying the first protocol according to which the received message is formatted, translating the message from being formatted according to the first protocol to being formatted according to a second protocol, and propagating the message formatted according to the second protocol toward the core IMS network.

INTERNATIONAL SEARCH REPORT

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/069942 A (ERICSSON TELEFON AB L M [SE]; BARRIGA LUIS [SE]; CHENG YI [SE]) 21 June 2007 (2007-06-21)	1,2,4,6, 7,9
Y	page 5, lines 14-32 page 6, lines 7-19 page 6, line 29 - page 7, line 5 page 8, lines 1-10 figure 2 ----- -/--	3,5,8,10



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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2006/045706 A (ERICSSON TELEFON AB L M [SE]; LINDGREN HANS [SE]) 4 May 2006 (2006-05-04)	3,5,8,10
A	page 3, lines 9-16 page 4, lines 8-28 page 5, lines 6-17 page 6, lines 7-24 page 7, lines 1-5 page 9, lines 22-24 page 10, lines 10-14 figures 2,5	1,2,4,6, 7,9

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Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 2007069942	A	21-06-2007	EP	1961178 A1	27-08-2008
WO 2006045706	A	04-05-2006	AT	394868 T	15-05-2008
			BR	PI0517627 A	14-10-2008
			CA	2583633 A1	04-05-2006
			CN	101091374 A	19-12-2007
			EP	1805970 A1	11-07-2007
			ES	2306238 T3	01-11-2008
			GB	2419774 A	03-05-2006
			JP	2008518536 T	29-05-2008
			KR	20070068471 A	29-06-2007
			US	2007195805 A1	23-08-2007