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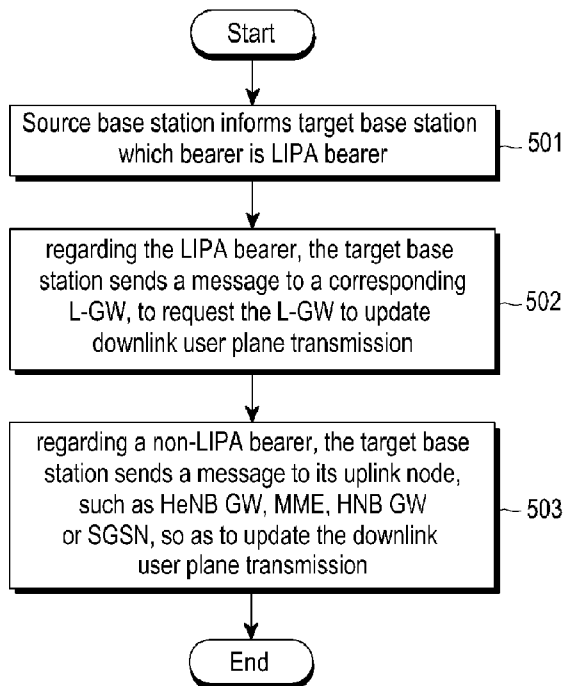
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[Continued on next page]

(54) **Title:** APPARATUS AND METHOD FOR SUPPORTING HANDOVER

[Fig. 5]



(57) **Abstract:** An embodiment of the invention provides a method for supporting handover. That is, inform a target base station which bear in bearers to be handed over is a Local Internet Protocol (IP) Access (LIPA) bearer, by a source base station. Regarding the LIPA bearer, the target base station sends a message to a corresponding Local Gateway (L-GW), to request the L-GW to update downlink user plane transmission. By adopting the method for supporting handover, provided by an embodiment of the invention, a correct user plane transmission may be established for a User Equipment (UE), to enable a user plane to be correctly established during handover process. Thus, continuity of LIPA service may be guaranteed, and successful handover may be achieved.

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EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,  
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**A. CLASSIFICATION OF SUBJECT MATTER***H04W 36/08(2009.01)i, H04W 36/12(2009.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H04W 36/08

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords: IP handover, handoff, handover signaling

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6490452 B1 (BOSCOVIC; DRAGAN et al.) 03 December 2002 See abstract; claims 1, 11.	15
A	See whole document.	1-14, 16-17
Y	ANTONIE STEPHANE et al. "Mechanisms and Hierarchical Topology for Fast Handover in Wireless IP Networks", IEEE Communications Magazine, November 2000 See abstract; Fig. 1.	15
A	See whole document.	1-14, 16-17

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6490452 B1	03.12.2002	AU 2000-53969 A1 AU 5396900 A EP 1058473 A1 WO 00-74417 A1	18.12.2000 18.12.2000 06.12.2000 07.12.2000