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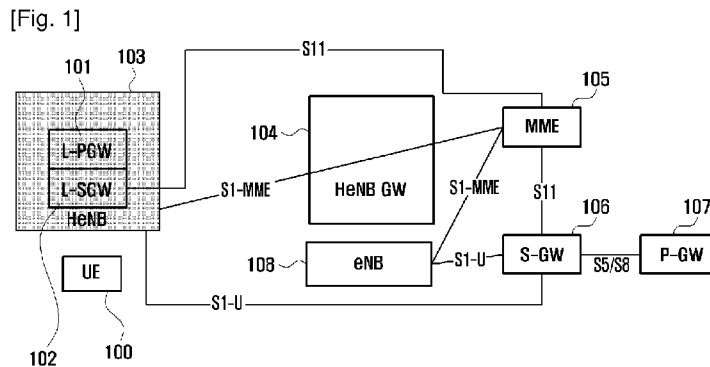
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(54) Title: METHOD AND APPARATUS FOR SUPPORTING LOCAL IP ACCESS IN A FEMTO CELL OF A WIRELESS COMMUNICATION SYSTEM


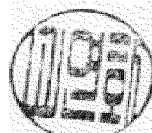


(57) Abstract: A method and apparatus for providing a local IP access service to a User Equipment (UE) attached to a femtocell including a Packet Data Network (PDN) gateway function in a wireless communication system. A method includes receiving a service request from a User Equipment (UE), transmitting an initial UE message including information on a local gateway to a Mobility Management Entity (MME), storing bearer information carried in an initial context setup request transmitted by the MME, receiving a Packet Data Network (PDN) connectivity request from the UE, forwarding the PDN connectivity request to the MME, receiving a create session request from the MME, and establishing a radio bearer with the local gateway, the local gateway being co-located with the femtocell.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
<i>H04W 40/24(2009.01)i, H04L 12/66(2006.01)i</i>		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) H04W 40/24; G06F 15/16; H04J 3/22; H04B 7/02		
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) & Keywords:femtocell, local IP, IP access, MME, PDN gateway		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2009-028209 A1 (PANASONIC CORPORATION et al.) 05 March 2009 See abstract; paragraphs [0103]-[0109]; figures 18-21.	1-10
A	EP 1983771 A1 (ALCATEL LUCENT) 22 October 2008 See abstract; paragraphs [0037]-[0045]; figures 4-7.	1-10
A	US 2008-0076393 A1 (AMIT KHETAWAT et al.) 27 March 2008 See abstract; paragraphs [0377]-[0383]; figures 54-56.	1-10
A	US 2007-0243872 A1 (MICHAEL GALLAGHER et al.) 18 October 2007 See abstract; paragraphs [0075]-[0080]; figures 4-6.	1-10
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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