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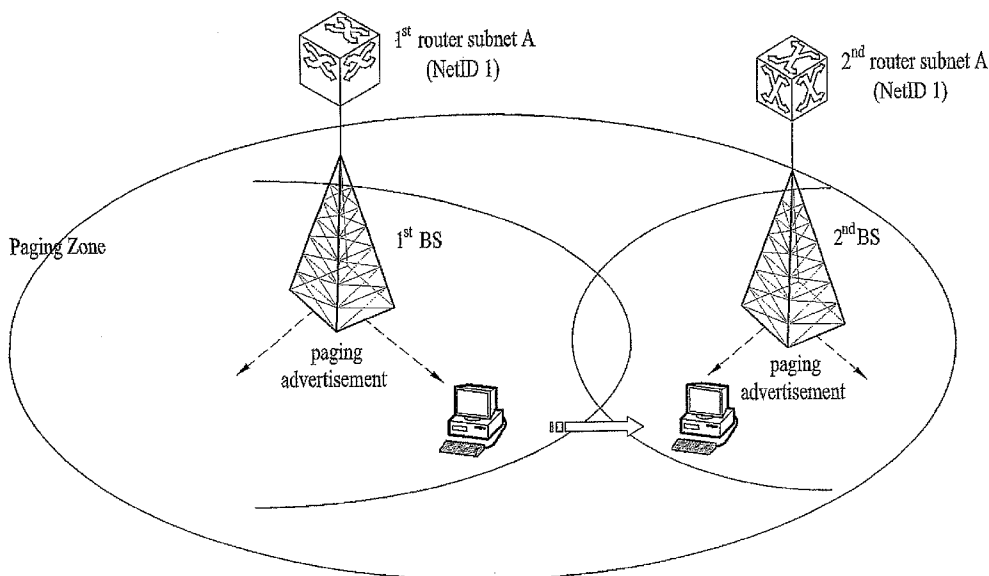
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(54) Title: METHOD FOR REESTABLISHMENT OF IP ADDRESS FOR IDLE MODE MSS AND METHOD FOR TRANSMITTING INFORMATION THEREOF IN BROADBAND WIRELESS ACCESS SYSTEM



(57) Abstract: A method of updating an IP address of an idle mode mobile subscriber station in an IP based broadband wireless access system and method of transmitting information for updating the IP address are disclosed. In updating an IP address of a mobile subscriber moving away into a second base station area from a first base station area in a broadband wireless access system, the present invention includes the steps of in the first base station area, entering an idle mode, in the second base station area, receiving information about an IP address update in the idle mode, and according to the received information, changing or retaining an IP address.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **H04Q 7/38** (2006.01)

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)

IPC⁸: H04B, H04M, H04Q

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 practicable, search terms used)

WPI, PAJ, IEEE, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/0043774 A1 (LEE) 4 March 2004 (04.03.2004) <i>Paragraphs [0014, 0015, 0032]; claims 1-4.</i> --	1-8, 11, 19
A	SUN-JONG, K. et al.: Analysis of a mobility management scheme considering battery power conservation in IP-based mobile networks; IEEE Transactions on Vehicular Technology, Volume 53, Issue 6, Nov. 2004; pages 1882-1890. <i>Chapter II.</i> --	1-8, 11, 19
A	US 2004/0179492 A1 (ZHANG et al.) 16 September 2004 (16.09.2004) <i>Paragraphs [0011, 0012, 0026, 0164, 0165].</i> --	1, 11-17, 19

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 2004/0012300 A (SK TELECON CO LTD) 11 February 2004 (11.02.2004) <i>Abstract.</i> -----	1, 11-17, 19

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	A	20040043774		none	
US	A	20040179492		none	
KR	A	20040012300		KR A 20040012300	2004-02-11