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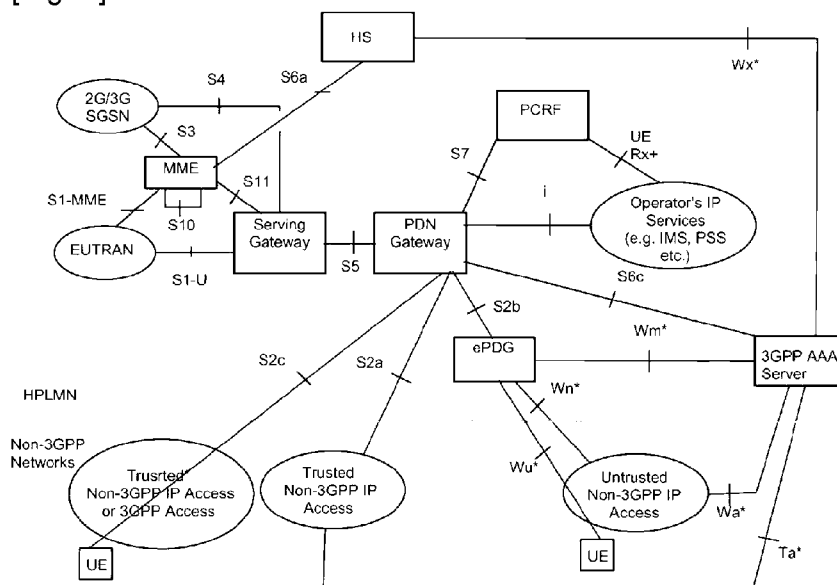
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(54) Title: A SYSTEM AND METHOD OF HANDOVER DECISION FOR INTER RAT HANDOVER

[Fig. 1]



* Untrusted non-3GPP access requires ePDG in the data path

(57) Abstract: The invention relates to the field of mobile communication systems. In particular, the invention discloses a method for handover decision making during an inter-radio access technology (RAT) handover. According to the method, the decision for inter-RAT handover may be taken by the serving network entity in a hierarchical manner beginning with a radio access network (RAN) entity and proceeding towards a core network (CN) entity. Further, the serving network entity may take the decision for the inter-RAT handover based on the information and knowledge of the target access system handover criteria and the ranking available in the network entity.



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A. CLASSIFICATION OF SUBJECT MATTER***H04W 36/14(2009.01)i, H04W 36/30(2009.01)i, H04W 92/02(2009.01)i, H04L 12/66(2006.01)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)

IPC 9: H04W, H04Q, H04B, H04L

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 since 1975

Japanese Utility models and applications for Utility Models since 1975

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

eKIPASS(KIPO internal) & keywords: "inter-RAT, handover, criteria, security, key"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004-0228491 A1 (WU, CHIH-HSIANG) 18 Nov. 2004 See abstract, figure 5, paragraphs [0005], [0008], [0019]-[0020] and claims 1-12.	1
Y	US 2004-0121777 A1 (SCHWARZ, UWE et al.) 24 Jun. 2004 See abstract, figure 1, paragraphs [0041]-[0046], and claims 1-5.	1
A	US 2007-0218903 A1 (GRECH, SANDRO) 20 Sep. 2007 See abstract, figure 2, paragraphs [0045]-[0052], and claims 1-6.	1
A	US 2005-0107085 A1 (OZLUTURK, FATIH) 19 May 2005 See abstract, figure 2, paragraphs [0021]-[0028], and claims 1-7.	1
A	US 2005-0073977 A1 (VANGHI, VIERI et al.) 07 Apr. 2005 See abstract, figure 1, paragraphs [0009]-[0011], [0044]-[0045], and claims 1,13.	1



Further documents are listed in the continuation of Box C.



See patent family annex.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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