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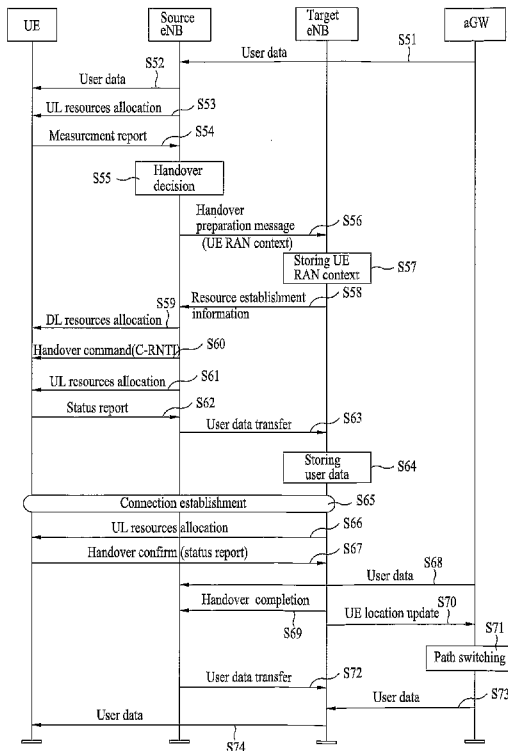
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(54) Title: METHOD OF SUPPORTING HANDOVER IN A MOBILE COMMUNICATION SYSTEM

FIG. 5



(57) Abstract: Disclosed are methods of performing handover and supporting thereof in a mobile communication system. The method of supporting handover at a first network entity in a mobile communication system comprises transmitting a plurality of data blocks of a first layer to a user equipment (UE), checking whether each of the plurality of data blocks is successfully transmitted to the user equipment (UE), and transmitting to a second network entity at least one data block of the first layer excluding a data block which is successfully transmitted to the user equipment (UE) among the plurality of data blocks of the first layer, the second network entity being a target network entity for handover of the user equipment (UE).

WO 2007/108655 A3



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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC ⁸ : H04Q; H04L; H04W		
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) EPODOC, espacenet, WPI		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1605724 A2 (Samsung El. Co. Ltd.) 14 December 2005 (14.12.2005). <i>paragraphs 0005-0014, figures 2, 4, 9, 10</i>	1-30
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P,A	EP 1684538 A1 (Samsung El. Co. Ltd.) 26 July 2006 (26.07.2006). <i>abstract; paragraphs 0031 to 0034 and 0057 to 0067; claims 1 to 10 and 18 to 20</i>	1-30
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A	US 20050288026 A1 (Myung-Kwang Byun et al) 29 December 2005 (29.12.2005). <i>paragraphs 0011 to 0023 and 0032 to 0044; claims 1 to 19</i>	1-30
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report 25 June 2009 (25.06.2009)
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Continuation of first sheet

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004045234 A1 (Siemens Aktiengesellschaft) 27 May 2004 (27.05.2004) . <i>the whole document</i> -----	1-30

INTERNATIONAL SEARCH REPORT
Information on patent family members

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