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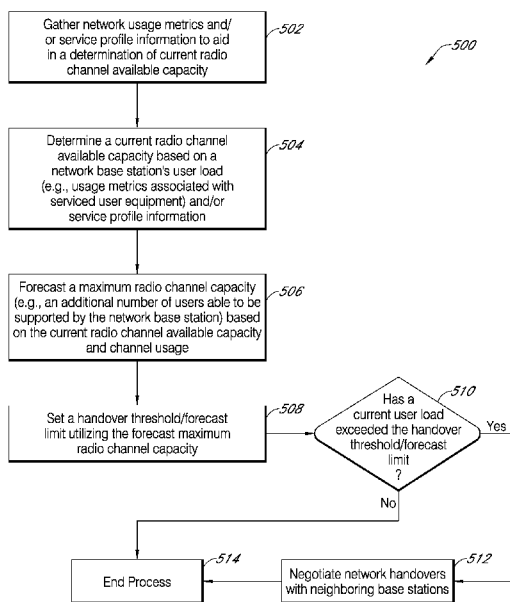




FIG. 5

(57) **Abstract:** A networked computing system including multiple network base stations, user equipment, a network resource controller (NRC), and a data communications network facilitating communications amongst all devices of the networked computing system. The NRC determines a current radio channel available capacity based on a user load associated with regional user equipment, and then forecasts a maximum radio channel capacity based on the current radio channel available capacity. The NRC may be a network base station and it may determine a number of additional user equipment it can support as a component of the forecast maximum radio channel capacity. The NRC/base station may be further configured to determine a handover threshold utilizing the forecast maximum radio channel capacity, and when the NRC base stations number of users exceeds the handover threshold, one or more user equipment may be handed over to a second network base station with better service capacity.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
<i>H04W 36/22(2009.01)i, H04W 36/08(2009.01)i</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 36/22; H04B 7/26; H04W 52/34; H04W 48/06; H04B 7/216; H04W 36/30; H04J 13/00; H04W 52/08		
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) & Keywords: load, handover, cell		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A A	US 5781861 A1 (KANG; CHANG-SOON et al.) 14 July 1998 See abstract; figures 1,3-4; column 1, line 7 - line 19, column 2, line 26 - line 38; and claim 1.	1-3,5-10,12-17 ,19-20 4,11,18
A	US 5912884 A1 (PARK; WOO GOO et al.) 15 June 1999 See abstract; figures 3A-4; column 1, line 33 - line 67; and claims 1-2.	1-20
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A	KR 10-2005-0031548 A (UTSTARCOM KOREA LIMITED) 06 April 2005 See abstract; figures 2a-3; page 2; and claim 1.	1-20
<input 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 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		
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Information on patent family members

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