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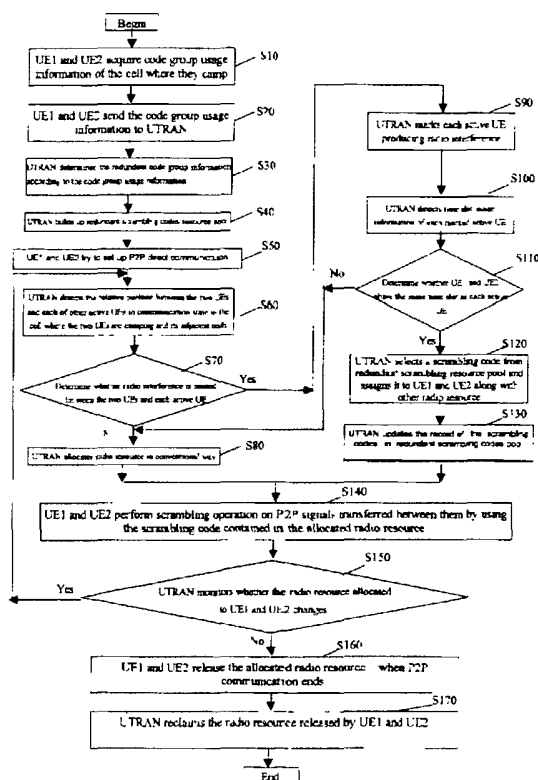
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[Continued on next page]

(54) Title: A METHOD AND APPARATUS FOR MITIGATING P2P INTERFERENCE IN P2P-ENABLED COMMUNICATION SYSTEMS



(57) Abstract: A method to be performed by a network system is proposed, for P2P communication to cancel interference, comprising steps of: determining the redundant code group information, according to the code group usage information of the cell in which two UEs to establish P2P connection camp and its adjacent cells; detecting the relative position between said two UEs and each of other active UEs in communication state in the cell where said two UEs are camping and its adjacent cells; if at least one UE of said two UEs causes radio interference to at least one of said active UEs according to the relative position, further determining whether said UE and said active UE are assigned in the same time slot; selecting a scrambling code from the redundant code group information and assigning it to said two UEs if said UE and said active are assigned in the same time slot, so that said two UEs can perform scrambling operation by using said scrambling code on P2P signals transferred between said two UEs.



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 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04Q7/38 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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 IPC 7 H04Q H04L

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/085520 A1 (SYDON UWE ET AL) 4 July 2002 (2002-07-04) paragraph '0017! paragraph '0020! - paragraph '0026! -----	1-19
A	US 2003/181208 A1 (LOBINGER ANDREAS ET AL) 25 September 2003 (2003-09-25) paragraph '0003! - paragraph '0004! paragraph '0010! paragraph '0012! - paragraph '0014! paragraph '0016! paragraph '0023! - paragraph '0025! paragraph '0027! - paragraph '0038! -----	1-19
A	US 6 459 690 B1 (LE STRAT EVELYNE ET AL) 1 October 2002 (2002-10-01) -----	

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