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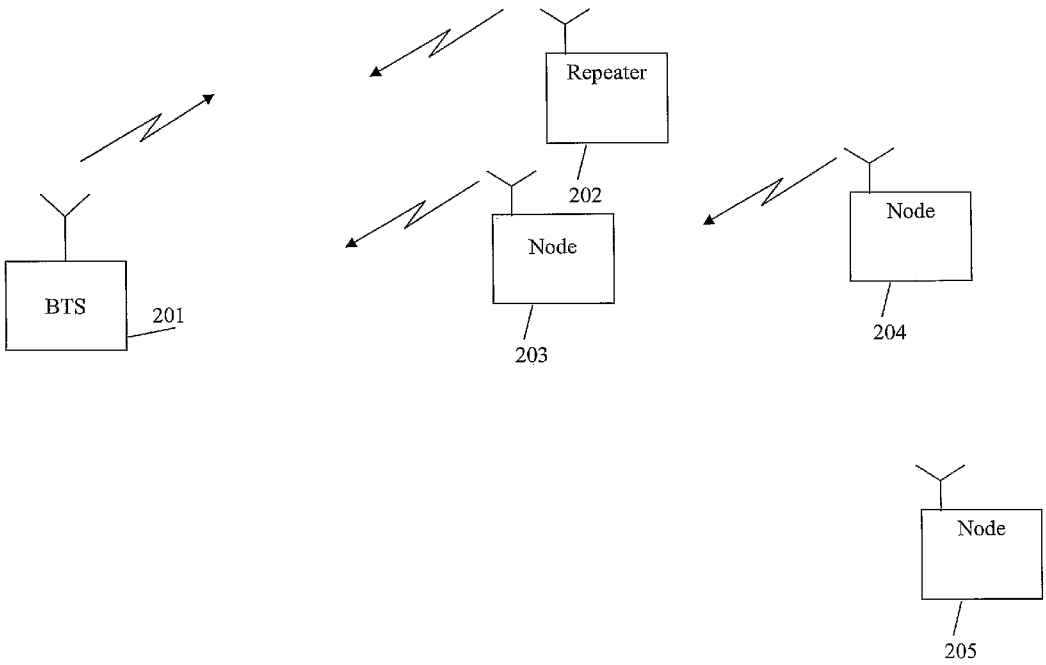
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[Continued on next page]

(54) Title: ROUTING PROTOCOL WITHIN HYBRID-CELLULAR NETWORKS



(57) Abstract: In order to set up efficient routes between two closely-located nodes an optimized route for two nodes within a hybrid-cellular network (HCN) is achieved by converting an HCN route to an ad-hoc route. Thus, a node within the communication system may originally be communicating with another node via an HCN route and then instructed to switch to a more efficient ad-hoc route for communication with the node.

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International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H04Q 7/24;H04L 12/28,12/56;H04Q 7/20**

USPC: 370/338,351,400,395.31;455/445

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,E --- A	US 2005/0174950 A1 (AYYAGARI) 11 August 2005 (11.08.2005), paragraph 0040,0011,0016,0180,0001	1-3,5-8,10-12 --- 4,9
Y --- A	US 2003/0068975 A1 (QIAO et al) 10 April 2003 (10.04.2003), paragraphs 0001,0019,0020	1-3,5-8,10-12 --- 4,9

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