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- (71) Applicant (for all designated States except US): **MO-TOROLA, INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, Illinois 60196 (US).

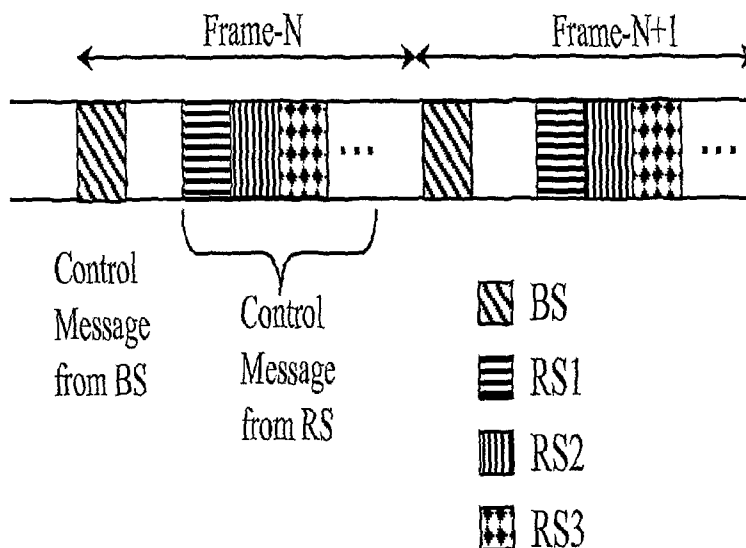
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- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MOLLAH, Mohsin M.** [BD/JP]; Konakadai 8-10-2-501, Inage-ku, Chibashi, Tokyo 263-0043 (JP). **ASA, Masahito** [JP/JP]; 1-6-18-722 Higashi-Shinkoiwa, Katsushika-ku, Tokyo 124-0023 (JP). **CHEN, David T.** [CN/US]; 1067 N. Penny Lane, Palatine, Illinois 60067 (US). **HAMASAKI, Ryutaro** [JP/JP]; 1-5-2, Gakuencho, Higashikureme-shi, Tokyo 203-0021 (JP). **IKEDA, Tetsu** [JP/JP]; 1944-202 Maginu, Miyamae, Kawasaki, Kagawa 216-0035 (JP).
- (74) Agents: **HAAS, Kenneth A.** et al.; 1303 East Algonquin Road, Schaumburg, Illinois 60196 (US).

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(54) Title: METHOD AND APPARATUS FOR BEACON TRANSMISSION WITHIN A MULTI-HOP COMMUNICATION SYSTEM



(57) Abstract: A base station (101) will instruct relay stations (102) to periodically skip transmissions of their control information when control messaging by all relay stations exceeds a predetermined threshold (e.g., 50% of radio resource capacity). The base station determines the relay stations to skip by periodically ranking the relay stations and skipping control messages for relay stations having a lowest rank.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - H04J 1/16 (2007.01)
 USPC - 370/235
 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(8) - H04J 1/16 (2007.01)
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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)
 PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/064853 A1 (SISODIA et al) 14 July 2005 (14.07.2005) entire document	1-3, 5-8, 10
Y		4, 9
Y	US 2005/0054346 A1 (WINDHAM et al) 10 March 2005 (10.03.2005) entire document	4, 9
A	US 2003/0128690 A1 (ELLIOTT et al) 10 July 2003 (10.07.2003) entire document	1-10

Further documents are listed in the continuation of Box C.

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