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- (71) Applicant (for all designated States except US): **SAM-SUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CHANG,**

**Young-Bin** [KR/KR]; #206-1102, Mugunghwa Kumho APT, Sinchon-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-739 (KR). **TAORI, Rakesh** [NL/KR]; #615-904, Sinnamusil 6 Danji APT, Yeongtong 2-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-733 (KR). **SON, Jung-Je** [KR/KR]; #4106-603, Eoeunmok Maeul, Daewon Cantaville APT, Jung-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-717 (KR).

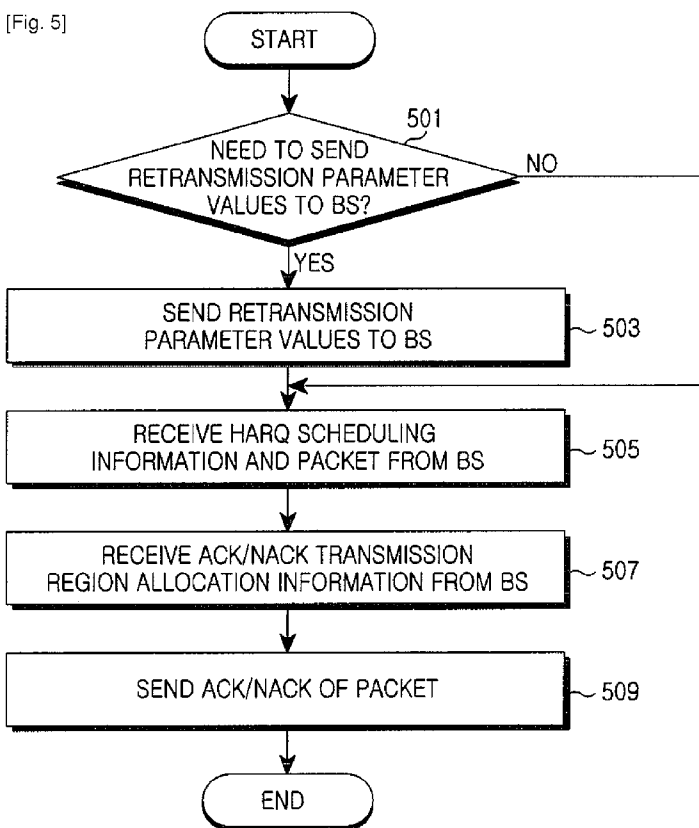
(74) Agents: **KWON, Hyuk-Rok** et al.; 2F. Seokwang Bldg., 1-96 Sinmun-ro 2ga, Jongro-ku, Seoul 110-062 (KR).

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[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR DETERMINING TIME TO RESPONSE OF RETRANSMISSION IN A MULTI-HOP RELAY WIRELESS COMMUNICATION SYSTEM

[Fig. 5]



(57) Abstract: A multihop relay wireless communication system is provided. A Base Station (BS) includes a calculator for calculating an ACKnowledge (ACK)/Non ACK (NACK) transmission time of at least one Relay Station (RS) using retransmission parameter values, and a transmitter for transmitting the ACK/NACK transmission time information to the at least one RS.

WO 2009/031866 A3



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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)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Japanese Utility models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS(KIPO internal) &amp; keywords : "NACK,ACK", "multihop,relay\*"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0233200 A1 (ROBERT FIFIELD et al.) 19 October 2006 See abstract; figures 1-3; claims 1-3,7-9; and their corresponding specifications.	1-24
A	US 7227868 B2 (TAKASHI INDEN) 05 June 2007 See abstract; figures 1A,3-5; and claims 1-3,5-7,9-11.	1-24
A	KR 10-2006-0004935 A (TELEFONAKTIEBOLAGET LM ERICSSON(PUBL)) 16 January 2006 See abstract; figures 1,3-4; and claims 1-3,15.	1-24
A	KR 10-2007-0048438 A (SAMSUNG ELECTRONICS CO., LTD.) 09 May 2007 See abstract; figures 2,5; and claims 1,4,7.	1-24

 Further documents are listed in the continuation of Box C. See patent family annex.

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Information on patent family members

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