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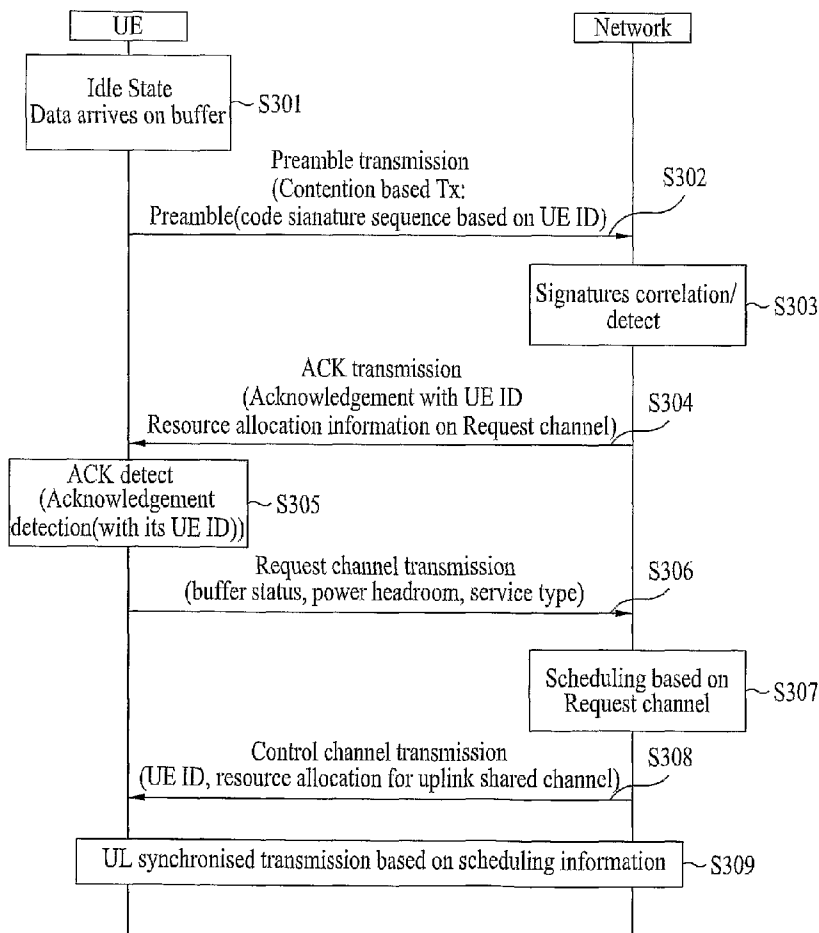
Bong Hoe [KR/KR]; 103-105, Taeyoung Apt., Bono-dong, Ansan-si, Gyeonggi-do 426-180 (KR). AHN, Joon Kui [KR/KR]; 108-1505, Gwanak Hyundai Apt., Sangdo 5-dong, Dongjak-gu, Seoul, 156-781 (KR). SEO, Dong Youn [KR/KR]; 233-13, Nonhyeon 2(i)-dong, Gangnam-gu, Seoul, 135-830 (KR). LEE, Jung Hoon [KR/KR]; 1502-1306, Kyungnam Honorsville, Sinjeong 2(i)-dong, Yangcheon-gu, Seoul, 158-072 (KR). KIM, Ki Jun [KR/KR]; Seocho Hanshin Apt., 101-1202, Seocho-dong 1533, Seocho-gu, Seoul, 135-070 (KR). YOON, Suk Hyon [KR/KR]; Mokdong Shinsigagi Apt., 931-1502, Shinjong1-dongYangchon-gu, Seoul, 158-071 (KR). KIM, Eun Sun [KR/KR]; 101, 541-80, Bangbae-dong, Seocho-gu, Seoul, 137-060 (KR).

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(54) Title: METHOD OF ALLOCATING RADIO RESOURCES IN MULTI-CARRIER SYSTEM



(57) Abstract: A method of allocating radio resources in a multi-carrier system is disclosed, by which a signaling message can be efficiently transmitted according to necessity of a user equipment. In a user equipment of a mobile communication system transeiving data using a plurality of subcarriers, the present invention includes the steps of if the signaling message to be transmitted is generated in the user equipment, generating a preamble sequence according to a user equipment identifier to identify the user equipment, transmitting a preamble signal including the preamble sequence and the signaling message to a base station, and receiving an acknowledgement signal for the preamble signal generated according to the user equipment identifier.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC^B: **H04L 12/56** (2006.01); **H04B 7/26** (2006.01); **H04Q 7/38** (2006.01)

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

B. FIELDS SEARCHED

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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)

EPODOC, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/100598 A1 (TELEFONAKTIEBOLAGET LM ERICSSON) 18 November 2004 (18.11.2004) <i>abstract; page 4, line 23 - page 5, line 34; claim 8</i>	1-22
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X	US 2004/157602 A1 (KHAWAND) 12 August 2004 (12.08.2004) <i>abstract; paragraphs 17 - 18; claims 1 - 6</i>	1-22
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X	KR 2004/0048675 A (KOREA ELECTRONICS TELECOMM) 10 June 2004 (10.06.2004) (abstract). [online] [retrieved on 2007-09-11] Retrieved from: EPOQUE EPODOC Database	1-22

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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