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- (71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20, Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): OH, Min Seok [KR/KR]; LG Institute, Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-749 (KR). CHOI, Jin Soo [KR/KR]; LG Institute, Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-749 (KR). LEE, Wook Bong [KR/KR]; LG Institute, Hoge 1(il)-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-749 (KR).

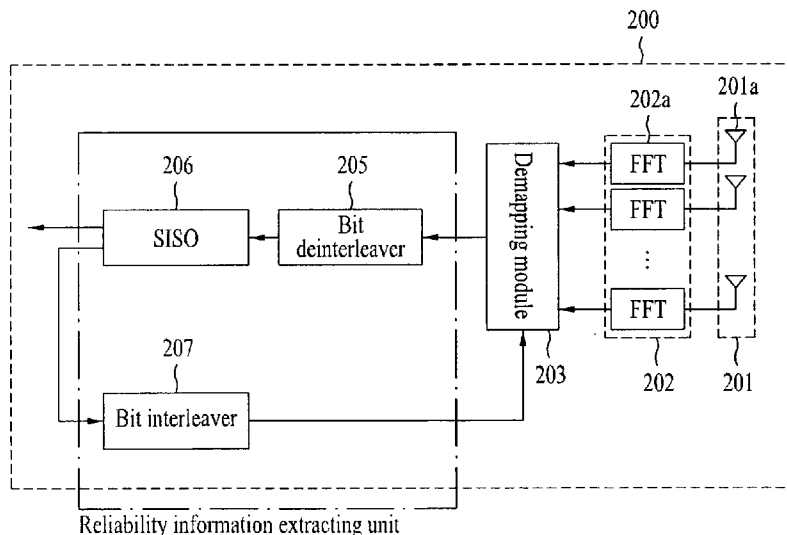
- (74) Agents: KIM, Yong In et al.; KBK & Associates, 15th Floor, Yosam-Building648-23 Yeoksam-dong, Kangnam-gu, Seoul 135-080 (KR).
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(54) Title: APPARATUS FOR PROCESSING RECEIVED SIGNAL, METHOD THEREOF, AND METHOD FOR SELECTING MAPPING RULE

FIG. 2B



(57) Abstract: An apparatus for processing a received signal, method thereof, and mapping rule selecting method are disclosed, by which radio communications can be smoothly carried out in a receiving terminal (200) receiving signals via at least two antennas (201a) in a manner of estimating data accurately. The present invention includes performing transmission according to an adaptively decided mapping rule and demapping on a symbol signal received via the plurality of antennas (201 a), extracting reliability information for bit signal obtained from the demapping, and re-performing the demapping on the symbol signal received via the plurality of antennas (201 a) using the reliability information.

WO 2007/136232 A3



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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI, NPL, ESPACENET		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/0056538 A1 (Nam et al.) 16 March 2006 (16.03.2006) <i>Abstract, column 0012 - 0019</i>	1-21
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A	US 2005/0185575 A1 (Hansen et al.) 25 August 2005 (25.08.2005) <i>Abstract, columns 0016, 0017</i>	1-21
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* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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A	WO 2005/029758 A2 (INTEL CORP.) 31 March 2005 (31.03.2005) <i>page 2, line 11 - page 15, line 24</i> ---	1-21

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