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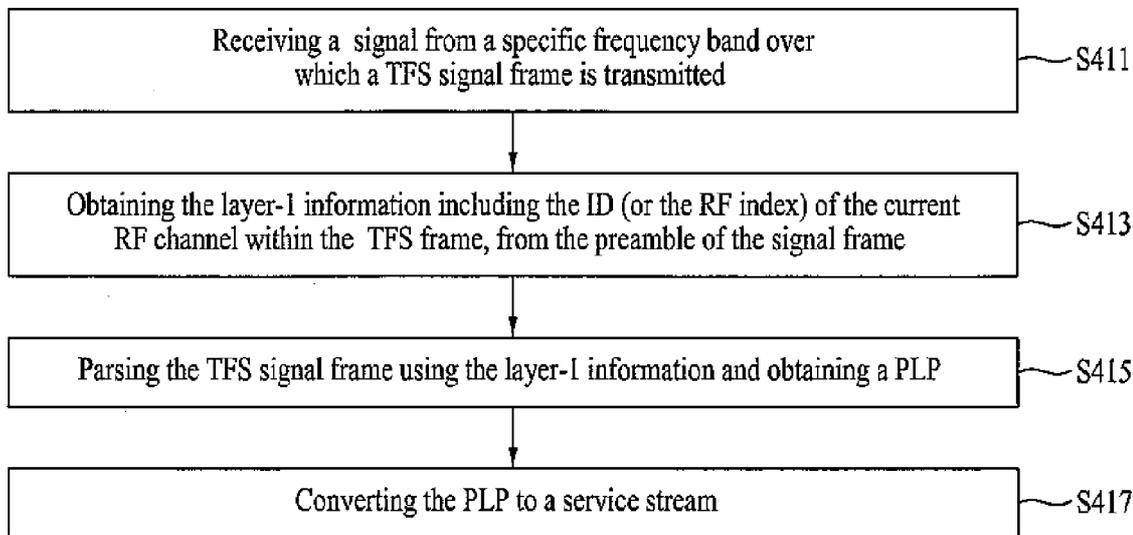
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(54) Title: APPARATUS FOR TRANSMITTING AND RECEIVING A SIGNAL AND METHOD OF TRANSMITTING AND RECEIVING A SIGNAL

Fig. 73



(57) Abstract: A method of transmitting and receiving a signal and an apparatus for transmitting and receiving a signal are disclosed. The method includes receiving the signal of a first frequency band, obtaining layer-1 information from a preamble of a time-frequency slicing (TFS) signal frame of the received signal, said layer-1 information including an index of a current radio frequency (RF) channel within the TFS signal frame, parsing the TFS signal frame using the layer-1 information and obtaining a physical layer pipe (PLP) of the TFS signal frame and converting the PLP to a service stream.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
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According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) IPC H04L H04Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Utility models and applications for Utility models since 1975 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, SEARCH TERMS: OFDM, Transmit, Preamble, Physical layer and similar terms		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1850547 A2 (FUJITSU Ltd.) 31 October 2007 See abstract, Page 02, paragraph[3] - Page 03, paragraph[4]; Page 05, paragraph[14] - Page 07, paragraph[21]; Page 09, paragraph[30] - Page 11, paragraph[38]; Figures 1,5A,5B.	1-9
A	US 20040233838 A1 (SUDO et al.) 25 November 2004 See abstract; Paragraph[0028] - Paragraph[0031]; Paragraph[0028] - Paragraph[0031]; Paragraph[0156] - Paragraph[0200]; Figures 22-32.	1-9
A	US 20040165564 A1 (KIM et al.) 26 August 2004 See abstract; Paragraph[0012] - Paragraph[0049]; Paragraph[0057] - Paragraph[0076]; Figures 1,2.	1-9
A	US 20040110510 A1 (JEON et al.) 10 June 2004 See abstract; Paragraph[0010] - Paragraph[0014]; Paragraph[0021] - Paragraph[0038]; Figure 1.	1-9
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* 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 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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