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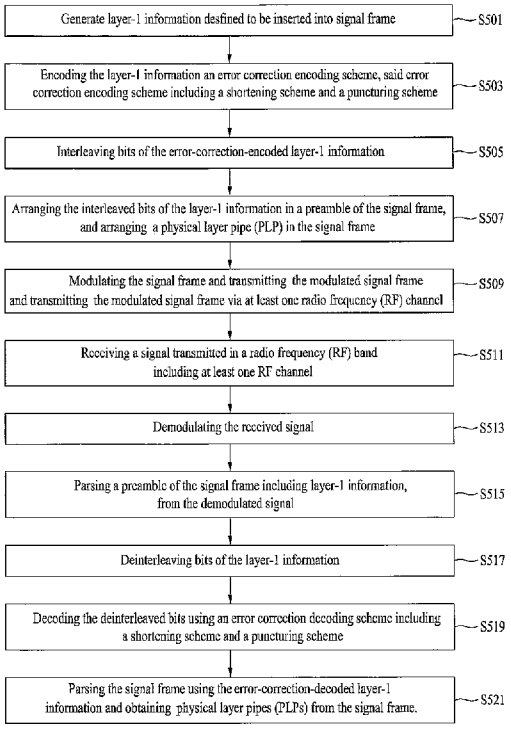
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[Continued on next page]

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

Fig. 66



(57) Abstract: In one aspect of the present invention, the method receiving a signal is disclosed. The method includes receiving a signal transmitted in a radio frequency (RF) band including at least one RF channel, demodulating the received signal, parsing a preamble of a signal frame including layer-1 information, from the demodulated signal, deinterleaving bits of the layer-1 information, decoding the deinterleaved bits using an error correction decoding scheme including a shortening scheme and a puncturing scheme and obtaining physical layer pipes (PLPs) from the signal frame using the error-correction-decoded layer-1 information.

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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

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eKOMPASS(KIPO internal): "signal", "modulating", "OFDM", "RF", "transmitting", "receiving", "convert"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007/083947 A1 (LG ELECTRONICS INC.) 26 July 2007. See abstract; paragraphs [144]-[151], [222]-[236]; claims 1, 7, 13, 19, 26.	1-14
A	EP 1037443 B1 (NEC CORPORATION) 26 October 2005. See abstract; page 3, line 20 - page 6, line 26; claims 1, 2; figures 1, 5, 9.	1-14
A	US 2005/0233716 A1 (RAJIV LAROIA et al.) 20 October 2005. See abstract; paragraphs [0020]-[0065]; claims 1-27; figures 2-5.	1-14

☐ Further documents are listed in the continuation of Box C.

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