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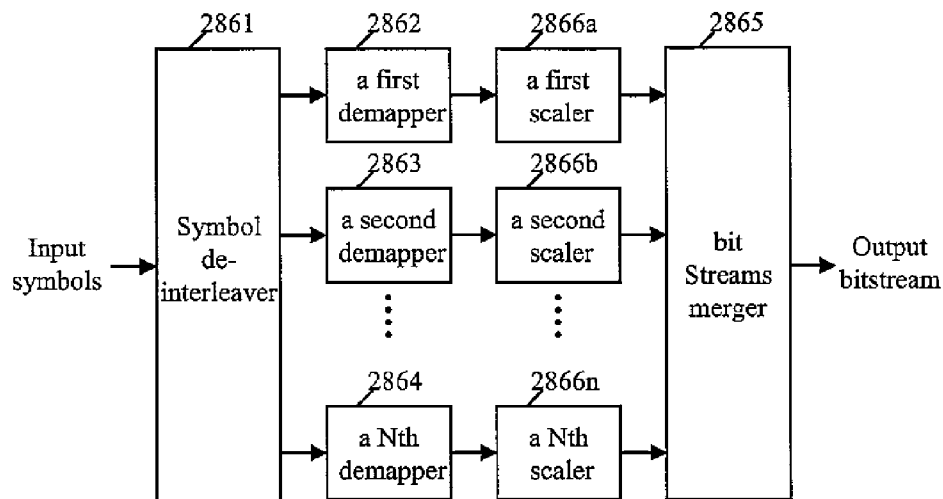
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[Continued on next page]

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

[Fig. 32]



(57) Abstract: The present invention relates to a method of transmitting/receiving a signal and an apparatus for transmitting/receiving a signal. The present invention may include a symbol mapper demapping a first interval of symbol data of the output data in accordance with a symbol demapping method corresponding to a first symbol mapping method, scaling the demapped symbol according to a constellation size of the first symbol mapping method and outputting the scaled symbol, demapping a second interval of symbol data of the output data in accordance with a symbol demapping method corresponding to a second symbol mapping method, scaling the demapped symbol according to a constellation size of the second symbol mapping method and outputting the scaled symbol, and outputting the first bit streams and the second bit streams into one bit streams.

WO 2009/031805 A3



NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC : H04L 27/26, H04L 12/28, H04B 7/04, H03M 13/17

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 (KIPO internal) : "interleave and coding and mapping and constellation"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y ----- A	US 2003-0043928 A1 (Fuyun Ling et al.) 6 March 2003. see paragraphs [0024]~[0027] ; fig.1.	1, 7 ----- 2~6, 8~12
Y ----- A	JP 2005-533462 A (Matsushita Electric Industrial Co., Ltd.) 4 November 2005. see abstract ; paragraphs [32~34] ; claims 1~2, 8, 15, 17~18 ; fig.4.	1, 7 ----- 2~6, 8~12
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A	WO 2006/007571 A1 (AIRGO NETWORKS, INC.) 19 January 2006. see abstract ; paragraphs [0010~0011] ; claim 1 ; fig.2.	1~12

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

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"&" document member of the same patent family

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Information on patent family members

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