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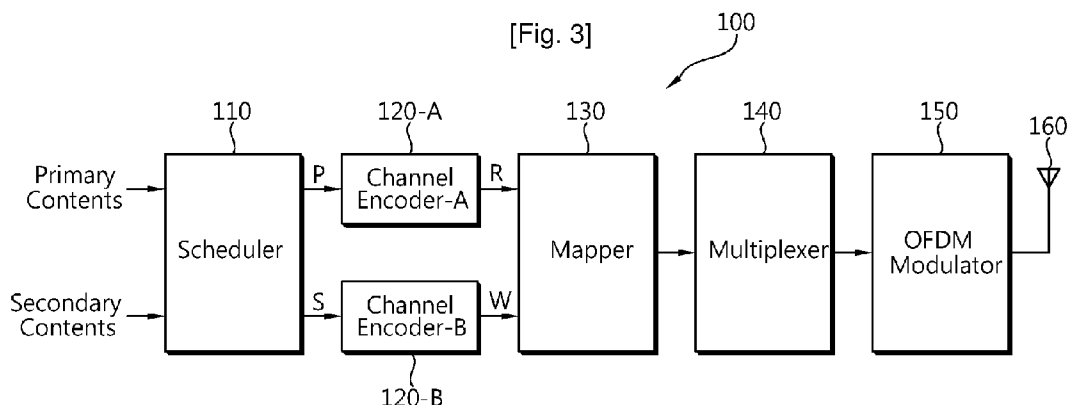
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(54) Title: METHOD OF TRANSMITTING DATA FOR DIGITAL BROADCASTING IN WIRELESS COMMUNICATION SYSTEM



(57) Abstract: A method of transmitting data in a wireless communication system includes mapping first data to first symbols on a signal constellation, mapping second data assisting the first data to second symbols on the signal constellation, modulating the first symbols and the second symbols, and transmitting the modulated first symbols and the second symbols, wherein the distance between the first symbols is longer than that between the second symbols on the signal constellation.

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A. CLASSIFICATION OF SUBJECT MATTER**H04B 7/26(2006.01)i**

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

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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), IEEEExplore, "mapping", "data", "symbol", "multicast", "broadcast"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/024073 A1 (ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE) 01 Mar. 2007 See the Abstract; Figs. 2-10; page 5 line 33 - page 15 line 6; claims 1-57.	7-9
X	KR 2007-0037278 A (LG ELECTRONICS INC.) 04 Apr. 2007 See the Abstract; Figs. 1-4; Claims 1-20.	7-9
A	WO 2006/048060 A1 (MATSUSHITA ELECTRIC IND. CO., LTD.) 11 May 2006 See the Abstract; Figs. 2-15; page 4 line 11 - page 12 line 3; claims 1-24.	1-10
A	JP 2004-503181 A (QUALCOMM INCORPORATED) 29 Jan. 2004 See the Abstract; paragraphs [0010] - [0020]; Claims 1-31.	1-10

 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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