

Title (en)
COMMUNICATION SYSTEM AND METHOD

Title (de)
KOMMUNIKATIONSSYSTEM UND VERFAHREN

Title (fr)
SYSTEME ET PROCEDE DE COMMUNICATION

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EP 1966919 A4 20120509 (EN)

Application
EP 06711343 A 20060326

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Abstract (en)
[origin: WO2006100683A2] In a system like CDMA, SC, OFDM, OFDMA, etc., a new method is disclosed for computing and using the parameter d for all blocks. The Bit Interleaver uses a constant parameter (named "d", and it equals for example 16 in 802.16), in order to perform its inner permutations. Improved performance is achieved by manipulating the "d" parameter of the formula per modulation and encoded block, using data from a table. An example applicable with the current 802.16d (2004) for the "d" parameter is also disclosed.

IPC 8 full level
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H04J 7/00 (2013.01 - EP)

Citation (search report)
• [I] WO 9818218 A1 19980430 - ERICSSON TELEFON AB L M [SE]
• [A] US 2004028004 A1 20040212 - HAYASHI HIROSHI [JP], et al
• [I] LEI S W ET AL: "Adaptive interleaving for OFDM in TDD systems", IEE PROCEEDINGS : COMMUNICATIONS, INSTITUTION OF ELECTRICAL ENGINEERS, GB, vol. 148, no. 2, 17 April 2001 (2001-04-17), pages 77 - 80, XP006016597, ISSN: 1350-2425, DOI: 10.1049/IP-COM:20010071
• [I] YONGHUI LI ET AL: "Adaptive interleaver based on the measurment of doppler shift in fading channel", VEHICLE ELECTRONICS CONFERENCE, 2001. IVEC 2001. PROCEEDINGS OF THE IE EE INTERNATIONAL SEPT. 25-28, 2001, PISCATAWAY, NJ, USA,IEEE, 25 September 2001 (2001-09-25), pages 233 - 236, XP010565623, ISBN: 978-0-7803-7229-0
• See references of WO 2006100683A2

Designated contracting state (EPC)
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