

Title (en)
MAXIMUM DISTANCE BLOCK CODING SCHEME

Title (de)
BLOCKKODIERUNGSSCHEMA MIT MAXIMALER DISTANZ

Title (fr)
SYSTEME DE CODAGE DE BLOCS A DISTANCE MAXIMUM

Publication
EP 1302012 A2 20030416 (EN)

Application
EP 01954665 A 20010711

Priority
• US 0121992 W 20010711
• US 61535400 A 20000713

Abstract (en)
[origin: WO0207372A2] In a data communication system capable of variable rate transmission, high rate packet data transmission improves utilization of the forward link and decreases the transmission delay. Data transmission on the forward link is time multiplexed and the base station (4) transmits at the highest data rate supported by the forward link at each time slot to one mobile station (6). The data rate is determined by the largest C/I measurement of the forward link signals as measured at the mobile station (6). Upon determination of a data packet received in error, the mobile station (6) transmits a NACK message back to the base station (4). The NACK message results in retransmission of the data packet received in error. The data packets can be transmitted out of sequence by the use of sequence number to identify each data unit within the data packets. On the reverse link, reverse rate indicator symbols are encoded at the mobile station (6) to achieve a maximum distance between different code words.

IPC 1-7
H04L 1/00; H04L 1/08

IPC 8 full level
H03M 13/23 (2006.01); **H04J 13/00** (2011.01); **H04J 13/18** (2011.01); **H04L 1/00** (2006.01); **H04L 1/08** (2006.01); **H04W 16/02** (2009.01); **H04W 28/00** (2009.01); **H04W 88/00** (2009.01)

CPC (source: EP KR)
H04J 13/10 (2013.01 - KR); **H04L 1/0041** (2013.01 - EP); **H04L 1/0057** (2013.01 - EP); **H04L 1/0065** (2013.01 - EP); **H04L 1/08** (2013.01 - EP); **H04L 1/18** (2013.01 - KR)

Citation (search report)
See references of WO 0207372A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0207372 A2 20020124; WO 0207372 A3 20020425; AU 7689301 A 20020130; BR 0112404 A 20031125; EP 1302012 A2 20030416; JP 2004513536 A 20040430; KR 20030019572 A 20030306; TW 525354 B 20030321

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US 0121992 W 20010711; AU 7689301 A 20010711; BR 0112404 A 20010711; EP 01954665 A 20010711; JP 2002513148 A 20010711; KR 20037000503 A 20030113; TW 90117216 A 20010713