(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 1 786 134 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 84

(48) Corrigendum issued on:
13.10.2010 Bulletin 2010/41

(45) Date of publication and mention of the grant of the patent:
11.02.2009 Bulletin 2009/07

(21) Application number: **07103165.2**

(22) Date of filing: **27.02.2003**

(51) Int Cl.:
H04L 1/00 *(2006.01)* ***H04L 1/20*** *(2006.01)*

(54) DATA TRANSMISSION WITH NON-UNIFORM DISTRIBUTION OF DATA RATES FOR A MULTIPLE-INPUT MULTIPLE-OUTPUT SYSTEM

DATENÜBERTRAGUNG MIT UNGLEICHFÖRMIGER VERTEILUNG VON DATENRATEN FÜR EIN SYSTEM MIT MEHREREN EINGÄNGEN UND MEHREREN AUSGÄNGEN

TRANSMISSION DE DONNEES A DISTRIBUTION NON UNIFORME DE DEBITS BINAIRES DESTINEE A UN SYSTEME A ENTREES ET SORTIES MULTIPLES

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

(30) Priority: **01.03.2002 US 87503**

(43) Date of publication of application:
16.05.2007 Bulletin 2007/20

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
03743732.4 / 1 481 489

(73) Proprietor: **Qualcomm Incorporated**
San Diego, CA 92121-1714 (US)

(72) Inventor: **Kadous, Tamer**
San Diego, CA 92122 (US)

(74) Representative: **Lane, Cathal Michael et al**
Tomkins & Co.
5 Dartmouth Road
Dublin 6 (IE)

(56) References cited:

- **SEONG TAEK CHUNG ET AL: "Low complexity algorithm for rate and power quantization in extended V-BLAST" VTC FALL 2001. IEEE 54TH. VEHICULAR TECHNOLOGY CONFERENCE. PROCEEDINGS. ATLANTIC CITY, NJ, OCT. 7 - 11, 2001, IEEE VEHICULAR TECHNOLGY CONFERENCE, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 4. CONF. 54, 7 October 2001 (2001-10-07), pages 910-914, XP010562562 ISBN: 0-7803-7005-8**
- **CATREUX S ET AL: "SIMULATION RESULTS FOR AN INTERFERENCE-LIMITED MULTIPLE INPUT MULTIPLE OUTPUT CELLULAR SYSTEM" GLOBECOM'00. 2000 IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. SAN FRANCISCO, CA, NOV. 27 - DEC. 1, 2000, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 4, 27 November 2000 (2000-11-27), pages 1094-1096, XP001017253 ISBN: 0-7803-6452-X**
- **KOUSA M A ET AL: "ADAPTIVE BINARY CODING FOR DIVERSITY COMMUNICATION SYSTEMS" IEEE INTERNATIONAL CONFERENCE ON PERSONAL WIRELESS COMMUNICATIONSPROCEEDINGS, XX, XX, 1997, pages 80-84, XP000992269**

EP 1 786 134 B8