

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 January 2009 (15.01.2009)

PCT

(10) International Publication Number
WO 2009/008787 A1

(51) International Patent Classification:

H04B 7/06 (2006.01) **H04Q 7/22** (2006.01)
H04L 1/00 (2006.01)

(21) International Application Number:

PCT/SE2007/050509

(22) International Filing Date: 6 July 2007 (06.07.2007)

(25) Filing Language: English

(26) Publication Language: English

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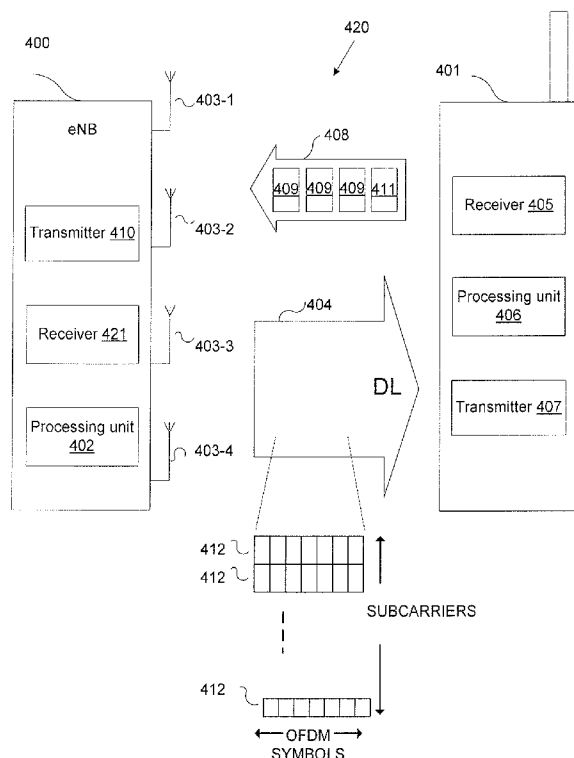
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG,
ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK,
LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW,
MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: METHOD AND ARRANGEMENTS FOR COMMUNICATION OF CHANNEL QUALITY INFORMATION IN A TELECOMMUNICATIONS SYSTEM

Fig. 1



(57) Abstract: The present invention relates to a mobile terminal device (401), a base station (400) and a method that make it possible to use a channel quality indicator, CQI, reporting format for CQI reporting from the mobile terminal device to the base station, which CQI reporting format depends on a selected transmit antenna configuration. The mobile terminal device (400) is arranged to receive a signal (404) from a number of transmit antennas, which signal includes a number of subcarriers (412), and to determine the CQI, reporting format for a collection of the subcarriers based on the selected transmit antenna configuration. The mobile terminal device is further arranged to determine a number of CQI values (409) relating to said subcarriers in accordance with the determined CQI reporting format and to transmit the CQI values to the base station in a feedback signal (408). The CQI reporting format is adapted to the selected transmit antenna configuration such that the granularity of CQI reporting depends on the selected transmit antenna configuration.



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,
PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *of inventorship (Rule 4.17(iv))*