

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number
WO 2004/100565 A3

(51) International Patent Classification⁷: **H04B 7/00**

(21) International Application Number:
PCT/KR2004/001097

(22) International Filing Date: 12 May 2004 (12.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03125091.2 12 May 2003 (12.05.2003) CN

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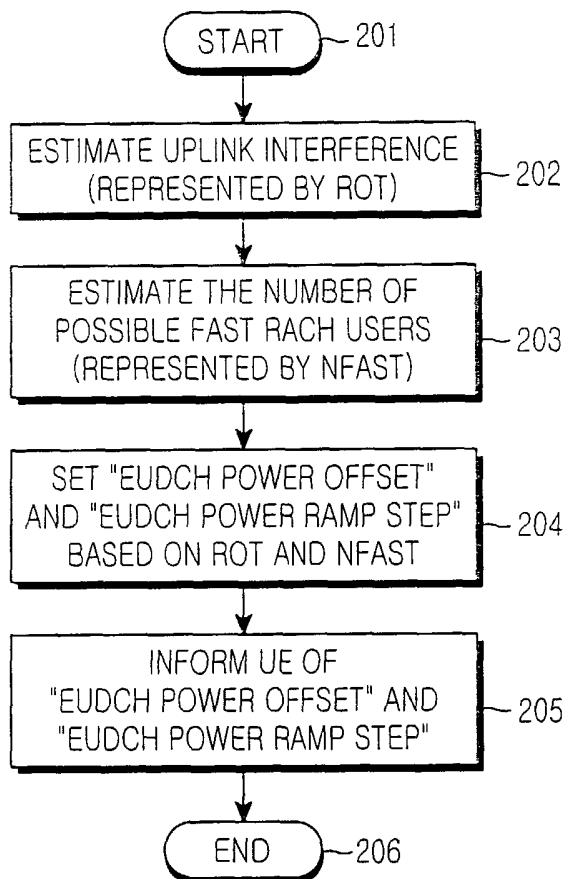
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

[Continued on next page]

(54) Title: FAST RANDOM ACCESS METHOD FOR EUDCH OF WCDMA



(57) Abstract: A fast random access method for the enhanced uplink dedicated channel of WCDMA system including: Network periodically set "EUDCH power offset" and "EUDCH power ramp step" and broadcast them to a UE via the system information block or transmit them via dedicated channel; and the UE calculates Preamble_Initial_power and preamble transmission power based on the received "EUDCH power offset" and "EUDCH power ramp step", respectively. By specially setting the transmission power offset for initial preamble and larger power ramp step, the initial transmission power of random access procedure is increased, and the probability of random access success is increased. Time needed for power probing is reduced, and the time needed for the random access is reduced. Values of the information elements newly added are set by the network according to the current uplink interference and the estimated possible number of the users for the fast random access.

WO 2004/100565 A3



AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

FR, GB, GR, HU, IE, IT, LU, MC, 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

(88) Date of publication of the international search report:

17 February 2005

(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,

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001097

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04B 7/00**

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04B*

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR, JP : as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS "initial <and> preamble <and> transmission <and> power"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002-052204 A1 (Bender) Feb.5, 2002, see abstract and drawings	1-2
A	US 06785550 A (Lucent Tech.) May 25, 2004, see abstract and drawings	1-2
A	US 05347515 A (Pittway Corp.) Sep.13, 1994, see abstract and drawings	1-2



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Date of the actual completion of the international search

25 NOVEMBER 2004 (25.11.2004)

Date of mailing of the international search report

25 NOVEMBER 2004 (25.11.2004)

Name and mailing address of the ISA/KR



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