

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
9 August 2001 (09.08.2001)

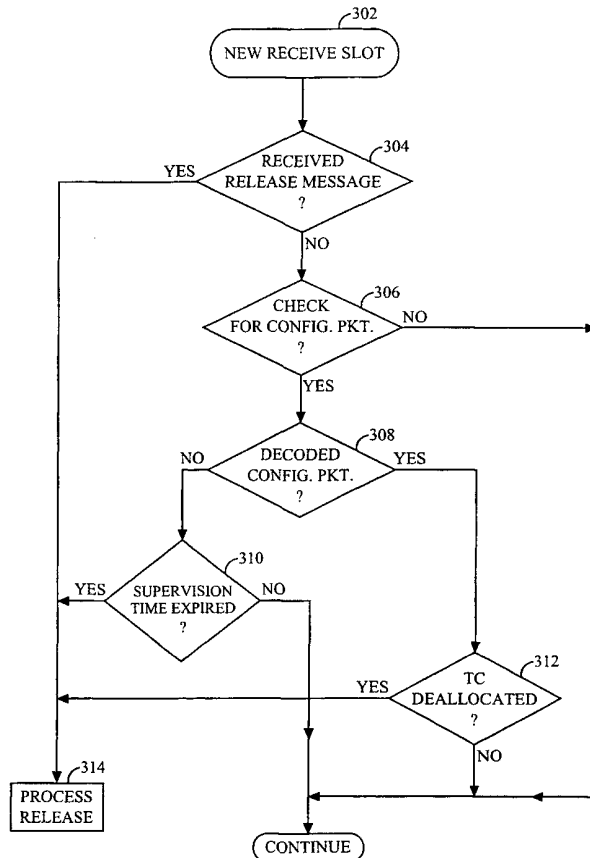
PCT

(10) International Publication Number  
WO 01/58045 A3

- (51) International Patent Classification<sup>7</sup>: H04Q 7/22, 7/32
- (21) International Application Number: PCT/US01/03980
- (22) International Filing Date: 7 February 2001 (07.02.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
09/499,129 7 February 2000 (07.02.2000) US
- (71) Applicant: QUALCOMM INCORPORATED [US/US];  
5775 Morehouse Drive, San Diego, CA 92121-1714 (US).
- (72) Inventor: HOAGLAND, Greg, M.; 11573 Spruce Run  
Drive, San Diego, CA 92131 (US).
- (74) Agents: WADSWORTH, Philip, R. et al.; Qualcomm Incorporated, 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: REDUCING RADIO LINK SUPERVISION TIME IN A HIGH DATA RATE SYSTEM



(57) Abstract: A method of supervising on the forward link in a high data rate system is disclosed, wherein a base station transmits to an access terminal on a forward traffic channel only when the base station has data to send to the access terminal. The base station minimizes the worst-case period necessary to reclaim traffic channel resources following a release by periodically transmitting a configuration packet to its access terminals. The configuration packet indicates the allocation status of the traffic channels belonging to the base station. If an access terminal receives a configuration packet indicating the deallocation of one or all of its traffic channels, the access terminal immediately ceases its use of those traffic channels. If an access terminal fails to successfully decode a configuration packet for a predetermined supervision time, the access terminal releases its connection with all base stations and associated traffic channels.

WO 01/58045 A3



**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

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

7 February 2002

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/03980

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04Q7/22 H04Q7/32

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)

IPC 7 H04Q H04B H04L H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 5 673 259 A (QUICK JR ROY F) 30 September 1997 (1997-09-30) column 1, line 26 - line 43  column 3, line 36 - line 44 column 4, line 22 - line 38 column 8, line 52 -column 9, line 28 column 10, line 54 -column 23, line 67 column 25, line 41 -column 27, line 13 ---	14-21, 41,42 1-13, 22-40
Y A	EP 0 877 512 A (NOKIA MOBILE PHONES LTD) 11 November 1998 (1998-11-11) column 1, line 37 -column 2, line 6  column 2, line 29 -column 4, line 23 column 5, line 6 - line 46 column 10, line 14 -column 11, line 13 column 11, line 51 -column 14, line 7 --- -/--	14-21, 41,42 1-13, 22-40

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*&\* document member of the same patent family

Date of the actual completion of the international search

26 September 2001

Date of mailing of the international search report

17/10/2001

Name and mailing address of the ISA  
 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer  
 Bösch, M

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/03980

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P,A	WO 01 08439 A (QUALCOMM INC) 1 February 2001 (2001-02-01) page 2, line 12 - line 24 page 4, line 10 -page 5, line 19 page 10, line 1 -page 13, line 32 ---	1-42
A	WO 98 24250 A (ERICSSON TELEFON AB L M) 4 June 1998 (1998-06-04) page 1, line 25 -page 5, line 10 page 5, line 22 -page 6, line 9 -----	1-42

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