

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :

H04Q 7/22, 7/38, H04L 12/56

A1

(11) International Publication Number:

WO 97/16040

(43) International Publication Date:

1 May 1997 (01.05.97)

(21) International Application Number: PCT/SE96/01345

(22) International Filing Date: 21 October 1996 (21.10.96)

(30) Priority Data:

08/581,476

24 October 1995 (24.10.95)

US

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sson, Patent and Trademark Dept., S-126 25 Stockholm (SE).(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR,
BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE,
HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA,
UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB,
GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ,
CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).**Published***With international search report.**Before the expiration of the time limit for amending the
claims and to be republished in the event of the receipt of
amendments.*

(54) Title: PACKET SWITCHED RADIO CHANNEL CONGESTION CONTROL

(57) Abstract

A method and system for controlling congestion on a packet switched radio channel (PRCH) (128, 130, 132) is disclosed. A PRCH congestion control function (418a, 418b, 418c, 418d) determines if the average time delay for packet calls on the PRCH (128, 130, 132) is within a delay alarm level. If the average time delay is not within the delay alarm level, it is then determined which packet calls to expel from the PRCH (128, 130, 132) in order to decrease the average time delay. The determination of congestion may be made for each of the uplink and downlink of a PRCH (128, 130, 132) separately, or, on the combined uplink and downlink of the PRCH (128, 130, 132).

