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(21) International Application Number: PCT/SE96/01344 (22) International Filing Date: 21 October 1996 (21.10.96) (30) Priority Data: 08/581,475 24 October 1995 (24.10.95) US (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventors: THORNBORG, Carl, Magnus; Lindblad, De Geers- gatan 10, S-115 29 Stockholm (SE). GRIMLUND, Olof; Hagavägen 6, S-171 53 Solna (SE). ANDERSSON, Mag- nus; Ejderstigen 111, S-182 75 Stocksund (SE). (74) Agents: BOHLIN, Björn et al.; Telefonaktiebolaget LM Eric- son, 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 TRAFFIC SUPERVISION

(57) Abstract

A method and system for packet switched radio channel (PRCH) traffic supervision is disclosed. A PRCH supervision function (414) receives a packet report (1002) for each data packet transmitted on the PRCH. The PRCH supervision function calculates an estimate of average data traffic (1012) for each packet call on the PRCH, an estimate of average data traffic (1012) on the PRCH and estimate of the average packet delay (1014) on the PRCH. The calculations may be done for the uplink and downlink on the PRCH separately, or, as values for the combined uplink and downlink of the PRCH. The results of the calculations may then be used to determine if a packet call should be admitted to the PRCH or if a packet call should be expelled from the PRCH.

