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(21) International Application Number: PCT/SE99/00303 (22) International Filing Date: 2 March 1999 (02.03.99) (30) Priority Data: 09/035,788 6 March 1998 (06.03.98) US (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventor: WALLENTIN, Pontus; Mässvägen 2, S-590 71 Ljungsbro (SE). (74) Agent: ERICSSON RADIO SYSTEMS AB; Common Patent Dept., S-164 80 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, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.	

(54) Title: TELECOMMUNICATIONS INTER-EXCHANGE CONGESTION CONTROL

(57) Abstract

A telecommunications network has a target exchange (RNC 222₂) which determines a congestion condition in a region supervised by the target exchange, and which sends a congestion message to a source exchange (RNC 222₁). The source exchange controls at least some connections which utilize radio resources in the region supervised by the target exchange. The congestion message causes the source exchange to adjust at least one connection which it controls in the region supervised by the target exchange. In a first mode of the invention, the target exchange determines a selected connection to be adjusted in view of the congestion condition. In this first mode, the congestion message identifies the selected connection to be adjusted and further includes an adjustment value (e.g., power reduction value) for the selected connection to be adjusted. In a second mode of the invention, the congestion message includes an identification of a congested area (e.g., a cell) within the region supervised by the target exchange, as well as a severity value indicating a severity of the congestion in the congested area. The severity value can be indicative of a needed decrease in congestion in the congested area.

