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(21) International Application Number: PCT/EP99/10480 (22) International Filing Date: 31 December 1999 (31.12.99) (30) Priority Data: 99100274.2 8 January 1999 (08.01.99) EP (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventors: MEYER, Michael; Annastrasse 17, D-52062 Aachen (DE). LUDWIG, Reiner; c/o Hoeppner Helga, Im Levert 14, D-52355 Düren (DE). (74) Agent: MOHSLER, Gabriele; Ericsson Eurolab Deutschland GmbH, Ericsson Allee 1, D-52134 Herzogenrath (DE).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.	

(54) Title: COMMUNICATION DEVICE AND METHOD

(57) Abstract

A device and a method are proposed in which the sender divides an amount of data to be sent into one or more data units and the receiver acknowledges the correct receipt of data units by returning acknowledgment data units to said sender. The data units are sent by said sender in accordance with a flow control procedure that involves one or more adaptive parameters. After a given data unit is sent, the sender performs a data loss detection routine, and if a triggering event occurs, a corresponding response procedure is conducted, where this response procedure comprises at least two different modes for adapting said one or more adaptive parameters. Preferably, there is a first and a second mode, where the first mode is associated with the actual loss of a data unit, so that this first mode comprises the conventional data loss procedures, and where the second mode is associated with the recognition that an excessive delay has taken place and not a loss of a unit.

