

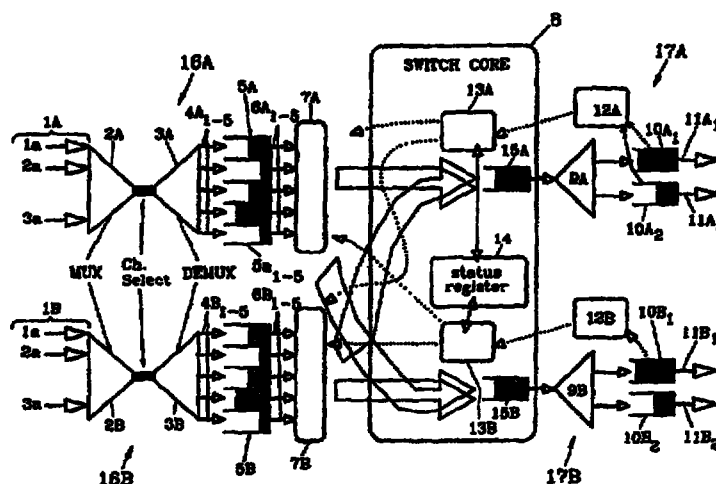


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(21) International Application Number: PCT/SE96/01412 (22) International Filing Date: 4 November 1996 (04.11.96) (30) Priority Data: 9503966-5 9 November 1995 (09.11.95) SE (71) Applicant (for all designated States except US): TELEFON-AKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-122 25 Stockholm (SE). (72) Inventor; and (75) Inventor/Applicant (for US only): HÖRLIN, Dan [SE/SE]; Hemskogsvägen 212, S-122 64 Enskede (SE). (74) Agents: BERGENTALL, Annika et al.; Göteborgs Patentbyrå AB, P.O. Box 5005, S-402 21 Göteborg (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, <u>SG</u> , SI, SK, TJ, TM, TR, TT, UA, UG, US, 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. With amended claims.	

(54) Title: ARRANGEMENT AND METHOD RELATING TO PACKET SWITCHING**(57) Abstract**

The present invention relates to a packet switching arrangement for switching information packets between a number of inlet units (7A, 7B) to which information packets are coming in on a number of input links (1A, 1B) and a number of outlet units (9A, 9B) which connect to output links (11A₁, 11A₂, 11B₁, 11B₂). The arrangement comprises main buffering means (5A, 5B) on the input side for storing information packets from the input links and a switch core (8) which comprises a registering arrangement (14) for registering the sending status of the inlet units (7A, 7B). Furthermore, means are provided for detecting/monitoring (12A, 12B, 13A, 13B) the receiving ability of the output links or output buffers (10A₁, 10A₂, 10B₁, 10B₂) and for providing the switch core (8) with information thereon. Means are further provided for setting up a connection between an inlet unit able to send an information packet and an output link able to receive a packet and for selecting from the main buffering means (5A, 5B) from which queue an information packet can be sent.