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(21) International Application Number: PCT/US98/15440 (22) International Filing Date: 24 July 1998 (24.07.98) (30) Priority Data: 09/058,720 10 April 1998 (10.04.98) US (71) Applicant (for all designated States except US): DYNARC INC. doing business as DYNAMIC NETWORK ARCHITECTURE, INC. [US/US]; 1887 Landings Drive, Mountain View, CA 94043 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): RAMFELT, Lars, Hakan [SE/US]; 960 N. California Avenue, Palo Alto, CA 94303 (US). HIDEELL, Lars, Markus [SE/SE]; Kyrkvagen 38, S-181 42 Lidingo (SE). (74) Agent: FASTH, Rolf; Fasth Law Offices, One World Trade Center #1100, 121 S.W. Salmon Street, Portland, OR 97204 (US).		(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, US, UZ, VN, ARIPO patent (GH, GM, KE, LS, MW, SD, 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. With amended claims.
(54) Title: METHOD AND DEVICE FOR SYNCHRONIZING DYNAMIC SYNCHRONOUS TRANSFER MODE IN A RING TOPOLOGY (57) Abstract Idle messages are transmitted by an expansion node (12) into the ring topology (10) until the first idle message arrives to the expansion node (12) after having passed through the entire ring (10). Frames may then be transmitted by the expansion node (12) at every cycle time. The expansion node (12) has an expansion buffer (34) that may receive incoming frames and stores the frames until the next cycle time. The frame stored in the buffer (34) may then be transferred to a transmission side of the expansion node (12) and transmitted into the ring topology (10). If there is no frame stored in the buffer (34) at the beginning of a new cycle time, the expansion node (12) may generate a new frame and transmit the new frame into the ring topology (10). 		