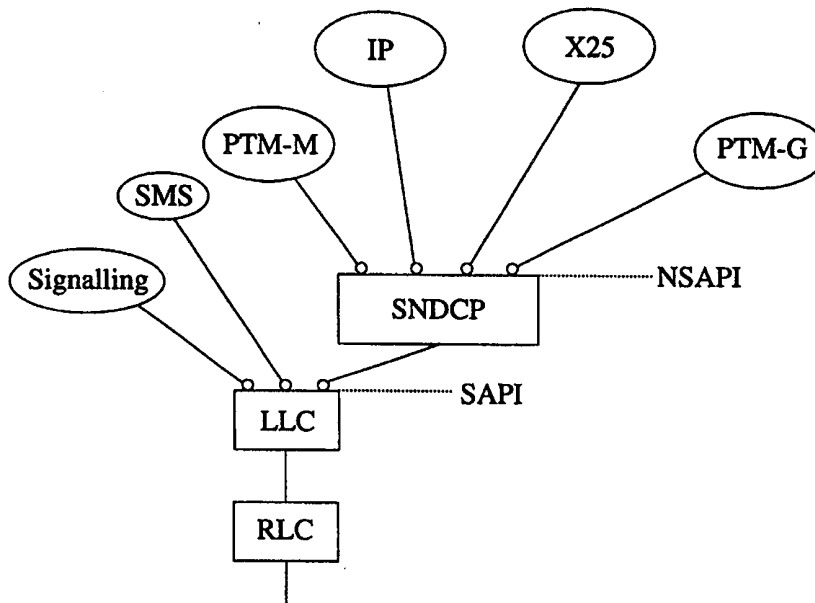




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<p>(21) International Application Number: PCT/FI98/00511 (22) International Filing Date: 12 June 1998 (12.06.98) (30) Priority Data: 973303 12 August 1997 (12.08.97) FI (71) Applicant (for all designated States except US): NOKIA MOBILE PHONES LTD. [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): LEPPISAARI, Arto [FI/FI]; Satakunnankatu 5 A 25, FIN-33100 Tampere (FI). HÄMÄLÄINEN, Jari [FI/FI]; Nallekarhantie 20, FIN-36100 Kangasala As. (FI). (74) Agent: JOHANSSON, Folke; Nokia Mobile Phones Ltd., P.O. Box 100, FIN-00045 Nokia Group (FI).</p>		<p>(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, GH, GM, GW, HU, ID, 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, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, 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, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p> <p>(88) Date of publication of the international search report: 29 April 1999 (29.04.99)</p>

(54) Title: POINT-TO-MULTIPOINT MOBILE RADIO TRANSMISSION



(57) Abstract

A method of operating a mobile communication system supporting data transmission between a mobile station (MS) and a network in a number of different packet data protocols (PDPs) including a point-to-multipoint-multicast (PTM-M) protocol. PDP data is formatted and unformatted by a subnetwork dependent convergence protocol (SNDCP) according to the PDP of data. The PDP is identified to the SNDCP by a protocol identifier transmitted between the network and the mobile station. In order to allow a MS to receive a PTM-M in an IDLE state, a unique protocol identifier is permanently assigned to PTM-M transmissions whilst other identifiers are dynamically assigned to other PDPs by the network.

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A. CLASSIFICATION OF SUBJECT MATTER		
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P,A	WO 9825422 A1 (NOKIA TELECOMMUNICATIONS OY), 11 June 1998 (11.06.98) --	1-6
A	WO 9621984 A2 (NOKIA TELECOMMUNICATIONS OY), 18 July 1996 (18.07.96) --	1-6
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