



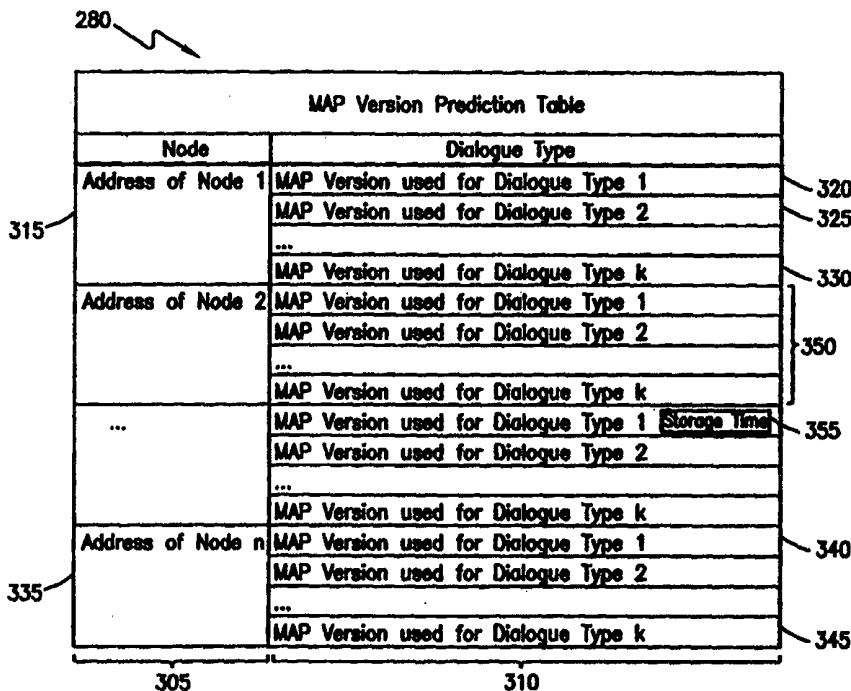
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| <p>(21) International Application Number: PCT/US99/07605 (22) International Filing Date: 7 April 1999 (07.04.99) (30) Priority Data: 09/058,044 9 April 1998 (09.04.98) US (71) Applicant: ERICSSON INC. [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US). (72) Inventors: SALLBERG, Krister; Flygelv. 156, S-224 72 Lund (SE). REICHELTL, Martin; 7101 Chase Oaks 634, Plano, TX 75025 (US). (74) Agents: MOORE, Stanley, R. et al.; Jenkins & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).</p> | <p>(81) Designated States: AE, 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, ZA, 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).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 23 December 1999 (23.12.99)</p> | |

(54) Title: SYSTEM AND METHOD FOR FACILITATING INTER-NODAL PROTOCOL AGREEMENT IN A TELECOMMUNICATIONS SYSTEM

(57) Abstract

A system and method in a communications network for minimizing the number of attempts required to establish a communication between two nodes is disclosed. Each node maintains a database table composed of addresses of other nodes within the communications system. Associated with each nodal entry is a list of dialogue types that have been initiated with or terminated from the relevant node. Associated with each dialogue type entry is the most-advanced protocol version, such as the Mobile Application Part (MAP), that has been negotiated with the affiliated node for that dialogue type. When a first node wishes to initiate a dialogue with a second node, the first node checks the database table. The first node locates the second node in the table by address,



locates the appropriate dialogue by type, and then determines the appropriate MAP version. If either the node or the specifically desired dialogue type is not within the database table, the first node attempts to establish the dialogue with the highest MAP version that the first node supports. After any resulting fall-back procedure has occurred, the first node stores in the database table the highest MAP version that was negotiated. The database table is periodically refreshed by clearing one or more entries.

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International Application No

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