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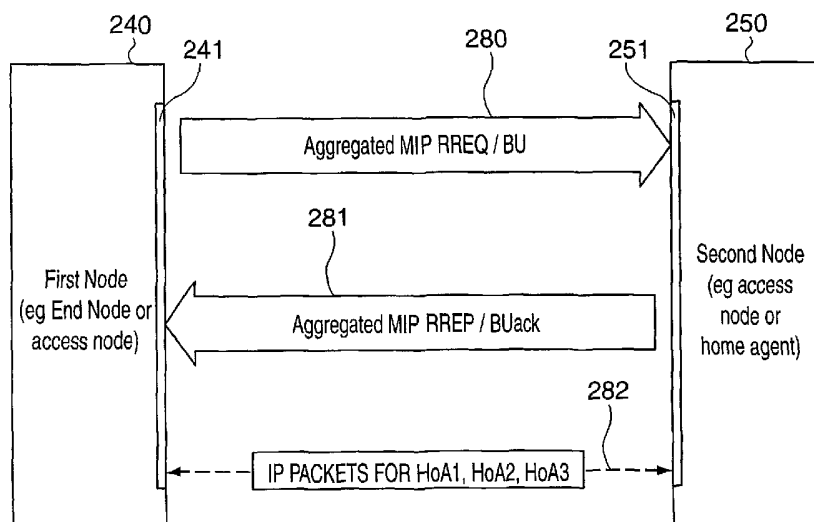
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AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
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(54) Title: METHODS AND APPARATUS FOR AGGREGATING MIP AND AAA MESSAGES



(57) Abstract: Aggregated signaling methods and apparatus which can be used to support the aggregation of Mobile IP binding registration information corresponding to multiple forwarding tunnels are described. Aggregated binding update message (280) are used to enable multiple home addresses from one or more home agents to be installed, refreshed and deleted using a single MIP signaling phase. The single MIP signaling phase may correspond to a single MIP binding update message. Aggregated message techniques can also be used to retrieve multiple home address specific policy profiles (282) via AAA signaling thereby reducing the number of AAA messages required to retrieve AAA information, e.g., profiles, corresponding to multiple home addresses.

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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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR,

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C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 2001/0046223 A1 (MALKI et al) 29 November 2001 (29.11.01), entire document, especially page 6, paragraph 0046.</td> <td>1-22</td> </tr> <tr> <td>Y, P</td> <td>US 6,434,134 B1 (LA PORTA et al) 19 August 2002 (19.08.2002), entire document, especially column 13, lines 11-22.</td> <td>1-22</td> </tr> <tr> <td>Y, T, E</td> <td>US 2003/0137961 A1 (TSIRTSIS et al) 24 July 2003 (24.07.2003), entire document, especially page 12, paragraph 0099.</td> <td>1-22</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 2001/0046223 A1 (MALKI et al) 29 November 2001 (29.11.01), entire document, especially page 6, paragraph 0046.	1-22	Y, P	US 6,434,134 B1 (LA PORTA et al) 19 August 2002 (19.08.2002), entire document, especially column 13, lines 11-22.	1-22	Y, T, E	US 2003/0137961 A1 (TSIRTSIS et al) 24 July 2003 (24.07.2003), entire document, especially page 12, paragraph 0099.	1-22
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.														
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