



(51) International Patent Classification:

H04W 40/26 (2009.01) *H04L* 12/721 (2013.01)
H04W 48/08 (2009.01) *H04L* 12/761 (2013.01)
H04L 12/733 (2013.01)

(21) International Application Number:

PCT/IB2014/060665

(22) International Filing Date:

11 April 2014 (11.04.2014)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

TO2013A000297 12 April 2013 (12.04.2013) IT

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: SMF-TYPE COMMUNICATION METHOD FOR A MANET NETWORK, NETWORK NODE AND MOBILE NETWORK WHICH IMPLEMENT THIS COMMUNICATION METHOD

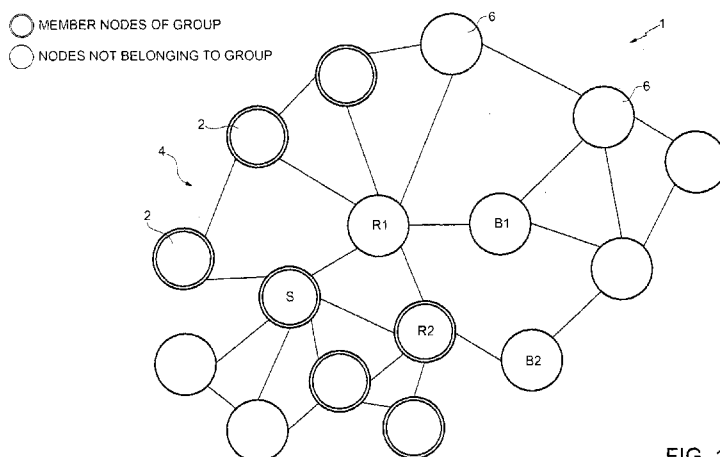


FIG. 1

(57) Abstract: A communication method of the SMF type for a network (1) of nodes including a multicast group. The method includes the steps, performed by a first node, of: determining (7a) a set of respective multipoint relays; determining (7b) the nodes for which the first node is a multipoint relay; determining (8) a routing table including identifiers of destination nodes and corresponding identifiers of next-hop nodes; receiving (10) a multicast packet sent from a sending node, where the first node is a multipoint relay; checking (22) if, for each node identifier of the multicast group, the entry in the routing table that includes a destination node identifier corresponding to the node identifier of the multicast group contains a next-hop node identifier that corresponds to the sending node, and if the counter contained in the multicast packet respects a relation with a limit; and determining (30; 42) whether to retransmit the multicast packet, on the basis of the outcome of the checking step.