



(51) International Patent Classification:
H04W 4/24 (2009.01) *H04M 15/00* (2006.01)
H04L 29/06 (2006.01)

(21) International Application Number:
PCT/EP2011/069412

(22) International Filing Date:
4 November 2011 (04.11.2011)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET L M ERICSSON** (publ)
[SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAER, Anders**
[SE/SE]; Tavelsjövägen 18, S-120 59 Årsta (SE). **DAHL, Jan**
[SE/SE]; Vaktelstigen 14, S-125 56 Älvsjö (SE). **KHAN, David**
[SE/SE]; Pastellvägen 3, S-121 36 Johannehov (SE).

(74) Agent: **LIND, Robert**; Marks & Clerk LLP, Fletcher House, Heatley Road, The Oxford Science Park, Oxford OX4 4GE (GB).

(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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, MD, 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,

[Continued on next page]

(54) Title: METHOD OF COMMUNICATION BETWEEN IMS NODES

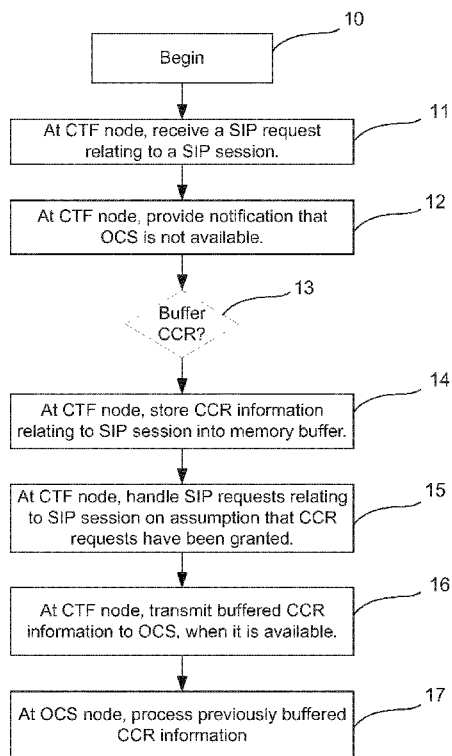


Fig 3

(57) Abstract: A method of communication between two nodes providing online charging functionalities in an IP Multimedia Subsystem, IMS, network, wherein a first node is configured to operate as a Charging Triggering Function, CTF, and wherein a second node is configured to operate as an Online Charging Service, OCS. The method allows to alleviate drawbacks stemming from low availability of the OCS.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

— *of inventorship (Rule 4.17(iv))*

Declarations under Rule 4.17:

Published:

— *as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii))*

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