

(51) International Patent Classification:
G06Q 20/00 (2012.01) *H04W 12/06* (2009.01)(21) International Application Number:
PCT/SE2010/050745(22) International Filing Date:
29 June 2010 (29.06.2010)

(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): **JOHANSSON, Mattias** [SE/SE]; Parkvägen 21, S-169 35 Solna (SE). **ARVIDSSON, Petter** [SE/SE]; Tunnlandsvägen 71, S-168 36 Bromma (SE). **SELANDER, Göran** [SE/SE]; Fredrikslundsvägen 28, S-168 34 Bromma (SE).(74) Agent: **Kransell & Wennborg KB**; Box 27834, S-115 93 Stockholm (SE).

(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, RO, RS, RU, 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, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: METHODS, SERVER, MERCHANT DEVICE, COMPUTER PROGRAMS AND COMPUTER PROGRAM PRODUCTS FOR SETTING UP COMMUNICATION

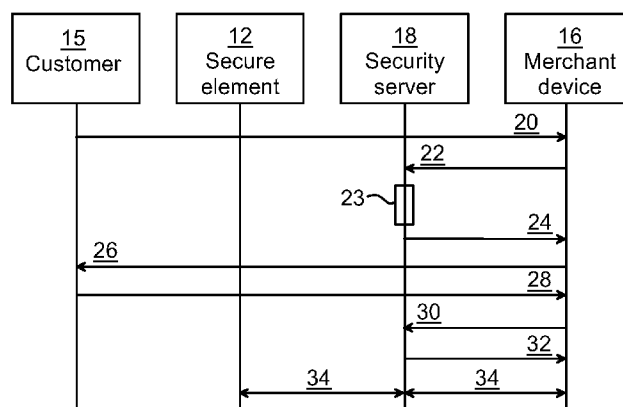


Fig. 2a

(57) Abstract: It is presented a security server arranged to set up communication between a merchant device and a customer payment application. The security server comprises: a receiver arranged to receive a first message comprising a customer identifier, an application identifier and a security token; a determiner arranged to determine whether the merchant device is authorised; a transmitter arranged to send a second message to the merchant device, the second message indicating that the merchant device is authorised to effect payment; and a channel establisher arranged to set up a secure channel between the merchant device and the customer payment application in a secure element being adapted to be comprised in a mobile communication terminal, wherein all communication between the merchant device and the customer payment application is controlled by the security server. Corresponding methods, merchant device, computer programs and computer program products are also presented. (Fig 2a)