



(51) International Patent Classification:

G01R 31/317 (2006.01) *G06F 21/75* (2013.01)
G06F 21/73 (2013.01) *G06F 21/77* (2013.01)
G06F 21/74 (2013.01)

(21) International Application Number:

PCT/EP2013/061598

(22) International Filing Date:

5 June 2013 (05.06.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12305716.8 21 June 2012 (21.06.2012) EP

(71) Applicant: **GEMALTO SA** [FR/FR]; 6, Rue de La Ver-
rierie, F-92190 Meudon (FR).

(72) Inventor: **LOUBET MOUNDI, Philippe**; c/o GEMALTO
SA, Service Brevets -, Avenue du Jujubier -, ZI Athélia IV,
F-13705 La Ciotat (FR).

(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, 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, 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).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: METHOD FOR PRODUCING AN ELECTRONIC DEVICE WITH A DISABLED SENSITIVE MODE, AND METH-
OD FOR TRANSFORMING SUCH AN ELECTRONIC DEVICE TO RE-ACTIVATE ITS SENSITIVE MODE

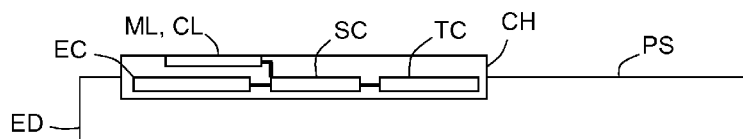


FIG.1

(57) Abstract: A method is intended for transforming a secure electronic device (CH), associated to a first identifier and having a sensitive mode disabled after production, for a new sensitive use. This method comprises the steps of: (i) externally computing a cipher of the first identifier with a predetermined function fed with this first identifier and a predetermined secret key, (ii) transform-
ing an accessible metal layer (ML) of the electronic device (CH) to form an activation pattern (AS) representing this externally com-
puted cipher of the first identifier, (iii) getting a value representative of this activation pattern into the electronic device (CH), (iv)
computing a second identifier with this transformed electronic device (CH) by feeding a reverse function of the predetermined func-
tion with this value and this secret key, to trigger a comeback to the sensitive mode if this second identifier is equal to the first iden-
tifier.

