(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 April 2011 (28.04.2011)

PCT

(10) International Publication Number
WO 2011/050332 A1

(51) International Patent Classification:
H04L 29/06 (2006.01)

(21) International Application Number:
PCT/US2010/053862

(22) International Filing Date:
22 October 2010 (22.10.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/604,838 23 October 2009 (23.10.2009) US
12/619,366 16 November 2009 (16.11.2009) US

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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, 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, RS, SE, SI, SK,

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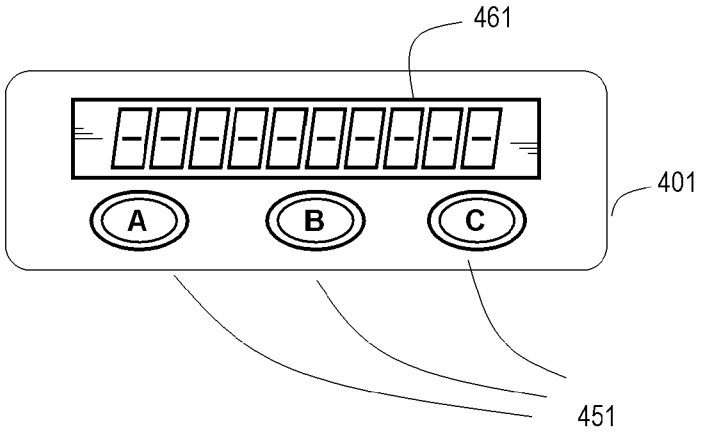
(54) Title: STRONG AUTHENTICATION TOKEN USABLE WITH A PLURALITY OF INDEPENDENT APPLICATION PROVIDERS

FIGURE 4a



(57) Abstract: The present invention defines a strong authentication token for generating different dynamic credentials for different application providers comprising an input interface providing an output representing an application provider indicator; a secret key storage for storing one or more secret keys; a variability source for providing a dynamic variable value; a key providing agent for providing an application provider specific key as a function of said application provider indicator using one or more keys stored in said secret key storage; a cryptographic agent for cryptographically combining said application provider specific key with said dynamic variable value using symmetric cryptography; a transformation agent coupled to said cryptographic agent for transforming an output of said cryptographic agent to produce a dynamic credential; and an output interface to output said dynamic credential.

WO 2011/050332 A1

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

Published:

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