



(51) International Patent Classification:
G06F 21/24 (2006.01)

(21) International Application Number:
PCT/JP2012/052435

(22) International Filing Date:
27 January 2012 (27.01.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/020,643 3 February 2011 (03.02.2011) US

(71) Applicant (for all designated States except US): **RICOH COMPANY, LTD.** [JP/JP]; 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo, 1438555 (JP).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PIERSOL, Kurt W.** [US/US]; c/o RICOH INNOVATIONS, INC., 2882 Sand Hill Road, Suite 115, Menlo Park, California, 94025 (US).

(74) Agent: **ITOH, Tadahiko**; 16th Floor, Marunouchi MY PLAZA (Meiji Yasuda Seimei Building), 1-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 1000005 (JP).

(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.

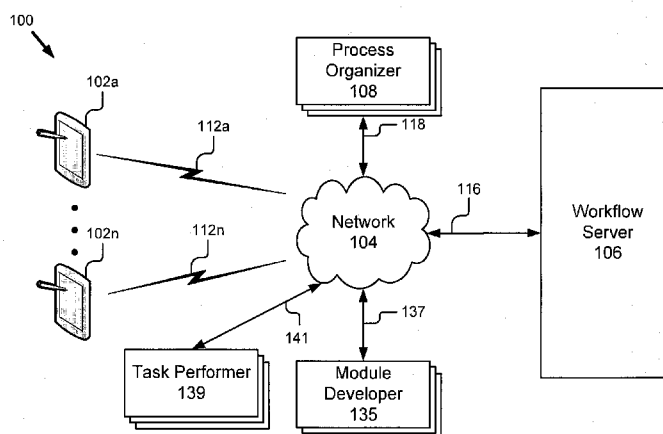
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, 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))

(54) Title: CREATION OF SIGNATURES FOR AUTHENTICATING APPLICATIONS

FIG.1



(57) Abstract: A method and system for authenticating applications. The system includes a plurality of portable electronic devices, at least one process organizer, at least one module developer, at least one task performer and a workflow server. The process organizer generates an application. The process organizer can request modules from module developers that are incorporated into the application. Alternatively, the process organizer makes an agreement with a task performer to perform tasks to complete the application. The application is transmitted to the workflow server, which includes an online marketplace for displaying and selling the applications. A user purchases the application through the store. A routing module generates a signature and compares the signature to application, module or document metadata and a secret to determine consistency of the data before the application, module or document is routed.