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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/010312 A1

(51) International Patent Classification[7]: G06F 13/00

(21) International Application Number:
PCT/US2003/021856

(22) International Filing Date: 10 July 2003 (10.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/199,967 19 July 2002 (19.07.2002) US

(71) Applicant: **COMMERCE ONE OPERATIONS, INC.** [US/US]; 4440 Rosewood Drive, Pleasanton, CA 94588-3050 (US).

(72) Inventors: **SAPURAM, Raghunath**; 1302 Wide Antler Cove, Cedar Park, TX 78613 (US). **KASI, Jayaram, Rajan**; 5445 Century Meadow Court, San Jose, CA 95111 (US). **KLAUS, Todd, Christopher**; 37 Leominster Court, San Jose, CA 95139 (US). **CRALL, Christopher**; 2416 Rosemont Pl. W, Seattle, WA 98199 (US). **SANFILIPPO, Joseph**; 4020 Cranford Circle, San Jose, CA 95124 (US).

(74) Agent: **BEFFEL,Jr., Ernest, J.**; Haynes Beffel & Wolfeld Llp, P.O.Box 366, Half Moon Bay, CA 94109 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

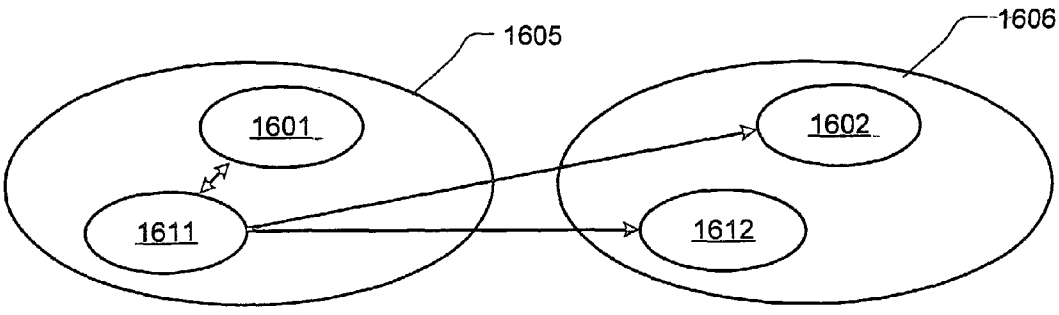
(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTRONIC COMMERCE COMMUNITY NETWORKS AND INTRA/INTER COMMUNITY SECURE ROUTING IMPLEMENTATION



(57) Abstract: The present invention discloses devices and methods for enabling routing electronic documents between a source (1611) and a destination (1612) within communities (1605, 1606) having dissimilar interfaces in a trusted and trustworthy manner.

WO 2004/010312 A1