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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/084030 A2

(51) International Patent Classification[7]: G06F

(21) International Application Number:
PCT/US2004/007996

(22) International Filing Date: 16 March 2004 (16.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/455,483	18 March 2003 (18.03.2003)	US
10/801,043	15 March 2004 (15.03.2004)	US

(71) Applicant: **SIEMENS CORPORATE RESEARCH INC.** [US/US]; 755 College Road East, Princeton, New Jersey 08540 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LEAUTE, Yves** [DE/DE]; Forsthausstr. 21, 61389 Schmitten (DE). **GOOSE, Stuart** [GB/US]; 130 Jefferson Road, Princeton, New Jersey 08540 (US).

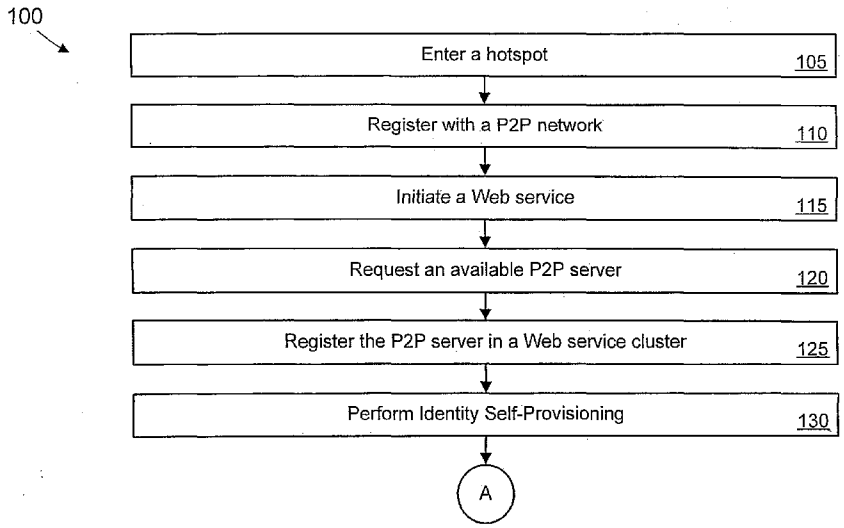
(74) Agents: **PASCHBURG, Donald, B.** et al.; Siemens Corporation, Intellectual Property Dept., 170 Wood Avenue South, Iselin, NJ 08830 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, 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, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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

[Continued on next page]

(54) Title: A META-SEARCH WEB SERVICE-BASED ARCHITECTURE FOR PEER-TO-PEER COLLABORATION AND VOICE-OVER-IP



(57) Abstract: A system and method are presented for discovering mobile collaborators on a peer-to-peer (P2P) network. Each collaborator is identified on the P2P network by a unique ID. Each collaborator may also be identified by an identity file posted on the P2P network. Collaboration applications may include any of a variety of applications involving the exchange of information between 2 or more collaborators, such as voice over IP (VoIP). Dynamic file querying can be performed to filter the identity files most relevant to a particular peer partner. Web services are used end-to-end between P2P mobile devices and also between devices and third party service providers. Search engines use self-provisioning concepts for searches and WEB services querying. End-user devices register their personal information on P2P networks using identity self-provisioning and WEB services templates for a variety of uses, such as personal, gaming or business

WO 2004/084030 A2

Published:

— *without international search report and to be republished upon receipt of that 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.