

(51) International Patent Classification:
G06F 15/16 (2006.01)

(21) International Application Number:

PCT/US2009/064816

(22) International Filing Date:

17 November 2009 (17.11.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/272,687	17 November 2008 (17.11.2008)	US
12/272,683	17 November 2008 (17.11.2008)	US

(71) Applicant (for all designated States except US): **AMAZON TECHNOLOGIES, INC.** [US/US]; P.O. Box 8102, Reno, NV 89507 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RICHARDSON, David, R.** [US/US]; 1200 12th Avenue South, Suite 1200, Seattle, WA 98144 (US). **MARSHALL, Bradley, E.** [US/US]; 1200 12th Avenue South, Suite 1200, Seattle, WA 98144 (US). **SIVASUBRAMANIAN, Swaminathan** [IN/US]; 1200 12th Avenue South, Suite 1200, Seattle, WA 98144 (US). **CORMIE, John** [CA/US]; 1200 12th Avenue South, Suite 1200, Seattle, WA 98144 (US). **PATEL, Imran, S.** [IN/US]; 1200 12th Avenue South, Suite 1200, Seattle, WA 98144 (US). **REDMAN, Benjamin, W.S.** [CA/US]; 1200 12th Avenue South,Suite 1200, Seattle, WA 98144 (US). **SHEEHAN, Richard, A.** [IE/US]; 1200 12th Avenue South, Suite 1200, Seattle, WA 98144 (US).(74) Common Representative: **AMAZON TECHNOLOGIES, INC.**; 8329 West Sunset Road, Suite 220, Las Vegas, NV 89113 (US).

(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, 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, LS, MW, MZ, NA, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

[Continued on next page]

(54) Title: REQUEST ROUTING AND UPDATING ROUTING INFORMATION UTILIZING CLIENT LOCATION INFORMATION

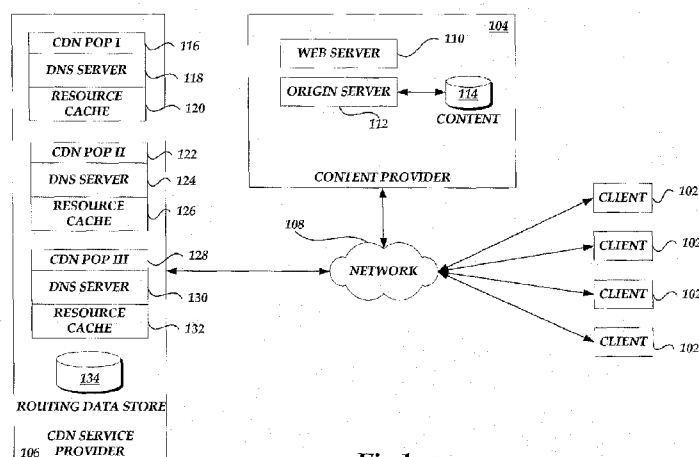


Fig. 1.

(57) Abstract: A system, method, and computer-readable medium for updating request routing information associated with client location information are provided. A content delivery network service provider receives a DNS query from a client computing device. The DNS query corresponds to a resource identifier for requested content from the client computing device. The content delivery network service provider obtains a query IP address corresponding to the client computing device. Based on routing information associated with the query IP address, the content delivery network service provider routes the DNS query. The process further includes monitoring performance data associated with the transmission of the requested resource and updating routing information associated with the query IP address based on the performance data for use in processing subsequent requests from the client computing device.



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

Published:

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