

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 December 2005 (01.12.2005)

PCT

(10) International Publication Number
WO 2005/112594 A2

(51) International Patent Classification: **Not classified**

(21) International Application Number:
PCT/US2005/017345

(22) International Filing Date: 18 May 2005 (18.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/572,644 19 May 2004 (19.05.2004) US
11/129,900 16 May 2005 (16.05.2005) US

(71) Applicant (for all designated States except US): **BEA SYSTEMS, INC.** [US/US]; 2315 North First Street, San Jose, California 95131 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PIPER, Andrew** [GB/US]; BEA SYSTEMS, INC., 235 Montgomery Street, 15th Floor, San Francisco, California 94104 (US).

(74) Agents: **MEYER, Sheldon, R.** et al.; FLIESLER MEYER LLP, Four Embarcadero Center, Fourth Floor, San Francisco, California 94111-4156 (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, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

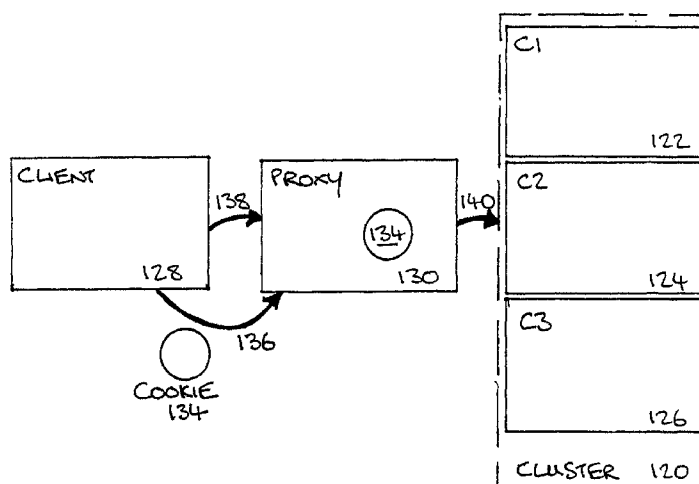
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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).

Published:

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

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR CLUSTERED TUNNELING OF REQUESTS IN APPLICATION SERVERS AND TRANSACTION-BASED SYSTEMS



(57) Abstract: A system and method for clustered tunneling of requests in application servers and other systems is provided. The system includes a client, a cluster having a plurality of members, and a proxy. The cluster does not advertise the internal addresses of its members since clients might attempt to directly connect to that member. Instead, the client is configured to include a tunneling layer within which the proxy address is set. The advertised address of the cluster member is then set in a header at the client. During runtime, the client connects to the proxy as before, but then uses its internal information to connect or communicate with the appropriate cluster member. In accordance with an embodiment the client sets a cookie which is then sent to the proxy. The proxy re-writes the cookie with the appropriate cluster member information and uses this information to tunnel the request to the appropriate server.



(48) Date of publication of this corrected version:

6 July 2006

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.

(15) Information about Correction:

see PCT Gazette No. 27/2006 of 6 July 2006