

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 September 2007 (07.09.2007)

PCT

(10) International Publication Number
WO 2007/099520 A3

- (51) **International Patent Classification:**
G06F 9/50 (2006.01)
- (21) **International Application Number:**
PCT/IB2007/051455
- (22) **International Filing Date:**
21 February 2007 (21.02.2007)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11/364,204 1 March 2006 (01.03.2006) US
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- (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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, 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, HU, IE, IS, IT, LT, LU, LV, 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).

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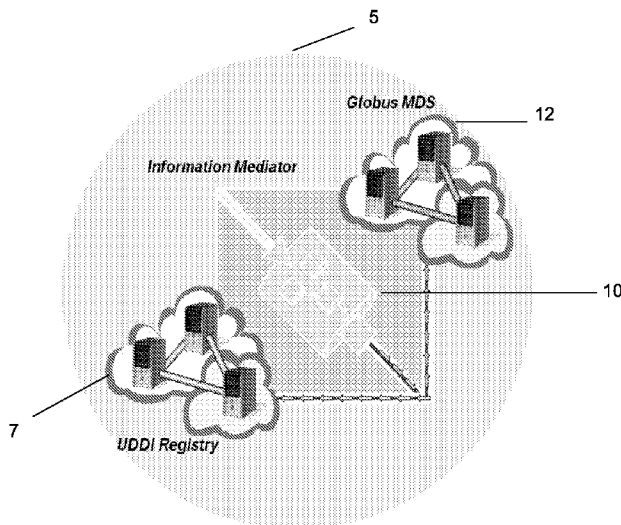
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report

[Continued on next page]

(54) **Title:** A GRID COMPUTING ARCHITECTURE & ASSOCIATED METHOD OF INVOKING/REGISTERING NETWORK SERVICES FOR SUBSCRIPTION



(57) **Abstract:** A mediator host is provided for identifying services of networked resources which are available for invocation in a grid computing architecture. A mediator host Application Program Interface (API) is configured to receive a service registry query and related resource query. The API identifies the service registry query and related resource query by signature. A service registry query processing agent is configured receive an identified service registry query from the API, and, to communicate with a corresponding service registry to satisfy the query. A resource query processing agent is configured to receive an identified related resource query from the API, and, to communicate with a corresponding resource registry to satisfy the query. The mediator host returns a service query response which satisfies a predetermined resource metric to identify candidate services for invocation.

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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
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(88) Date of publication of the international search report:

27 December 2007

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2007/051455

A. CLASSIFICATION OF SUBJECT MATTER
 INV. G06F9/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SHAIKHALI A ET AL: "UDDIE: an extended registry for web services" APPLICATIONS AND THE INTERNET WORKSHOPS, 2003. PROCEEDINGS. 2003 SYMPOSIUM ON JAN. 27-31, 2003, PISCATAWAY, NJ, USA, IEEE, 27 January 2003 (2003-01-27), pages 85-89, XP010644163 ISBN: 0-7695-1873-7 page 87, right-hand column, line 13 - page 89, left-hand column, line 25 ----- -/--	1-17

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See patent family annex.

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Date of the actual completion of the international search

4 October 2007

Date of mailing of the international search report

17/10/2007

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2007/051455

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Y. ZHU ET AL: "Dividing Grid Service Discovery into 2-stage Matchmaking" ISPA, [Online] 13 December 2004 (2004-12-13), - 15 December 2004 (2004-12-15) pages 372-381, XP002453586 hong-kong, china Retrieved from the Internet: URL:http://www.springerlink.com/content/q78vmahcxvea6plm/fulltext.pdf fulltext.pdf (application/pdf Object)> [retrieved on 2007-09-24] page 373, line 34 - line 36 page 375, line 35 - page 378, line 16; figure 1</p>	1-17
A	<p>L. JOITA ET AL: "Application deployment using catalactic Grid middleware" MGC'05 PROCEEDINGS OF THE 3RD INTERNATIONAL WORKSHOP ON MIDDLEWARE FOR GRID COMPUTING, [Online] 28 November 2005 (2005-11-28), - 2 December 2005 (2005-12-02) pages 1-6, XP002453587 Grenoble, France Retrieved from the Internet: URL:http://delivery.acm.org/10.1145/1110000/1101507/a8-joita.pdf?key1=1101507&key2=2765141911&coll=ACM&dl=ACM&CFID=15151515&CFID=6184618 a8-joita.pdf (application/pdf Object)> [retrieved on 2007-09-26] page 5, right-hand column, line 3 - page 15, left-hand column, line 15; figure 2</p>	1-17
A	<p>RASHID J AL-ALI ET AL: "G-QoS: Grid Service Discovery Using QoS Properties" COMPUTERS AND ARTIFICIAL INTELLIGENCE, VEDA, BRATISLAVA, CS, vol. 21, no. 4, 2002, pages 1-16, XP002422145 ISSN: 0232-0274 page 10, paragraph 5 - page 11</p>	1-17