PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G06F

A2

(11) International Publication Number: WO 00/38033

(43) International Publication Date: 29 June 2000 (29.06.00)

(21) International Application Number: PCT/US99/31024

(22) International Filing Date: 21 December 1999 (21.12.99)

(30) Priority Data:
09/219,071 22 December 1998 (22.12.98) US

(71) Applicant: COMPUTER ASSOCIATES THINK, INC. [US/US]; One Computer Associates Plaza, Islandia, NY 11749 (US).

(72) Inventors: HEADLEY, Richard, E.; 1090 Vista Ridge Lane, Westlake Village, CA 91362 (US). DEVILLERS, Richard, E.; 6408 Armitos Drive, Camarillo, CA 93012 (US). MIRZADEH, Shiva; 20817 Burbank Boulevard, Woodland Hills, CA 91367 (US).

(74) Agents: FLIESLER, Martin, C. et al.; Fliesler Dubb Meyer and Lovejoy LLP, Suite 400, Four Embarcadero Center, San Francisco, CA 94111-4156 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
Without international search report and to be republished upon receipt of that report.

This Sheet Has Been Replaced

(54) Title: SYSTEM FOR SCHEDULING AND MONITORING COMPUTER PROCESSES

(57) Abstract

A job scheduling device providing a consistent set of application programming interfaces (APIs) compiled and linked into an individual or suite of programs to provide scheduling services on a single computer or across multiple computing platforms, includes a GUI API for retrieving and validated job parameters, a job scheduling API for allocating jobs based on the job parameters, and an enterprise scheduling agent hosted on one or more nodes of the computer platforms. An enterprise communication agent sends messages containing jobs from a computer executing a program utilizing the job scheduling device to the enterprise scheduling agent on a selected node where the job is to execute. Then, the enterprise scheduling agent retrieves job parameters and launches the job on the selected node. The enterprise scheduling agent maintains a local job repository containing job information for each job run on its corresponding node and sends messages to a job data management API to maintain a central job repository containing information on jobs executed on all nodes.

