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 00/29924**

(43) International Publication Date: 25 May 2000 (25.05.00)

(21) International Application Number: PCT/US99/27238

(22) International Filing Date: 18 November 1999 (18.11.99)

(30) Priority Data:

60/108,993	18 November 1998 (18.11.98)	US
09/412,595	5 October 1999 (05.10.99)	US
09/412,633	5 October 1999 (05.10.99)	US

(71) Applicant: SAGA SOFTWARE, INC. [US/US]; 11190 Sunrise Valley Drive, Reston, VA 20191 (US).

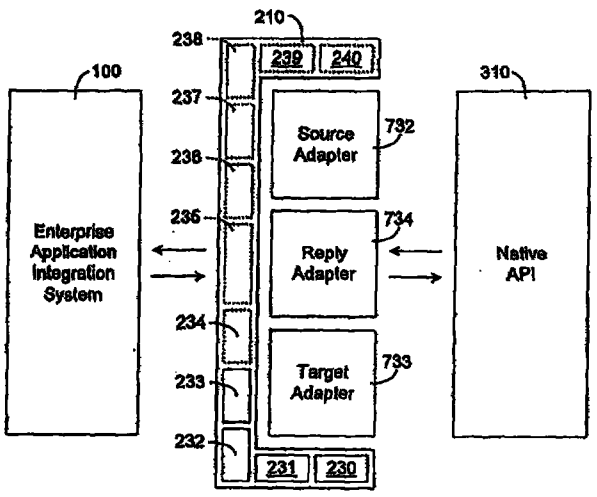
(74) Agent: BURDETT, James, R.; Venable, Baetjer, Howard & Civiletti, L.L.P., 1201 New York Avenue, N.W., Washington, DC 20005 (US).

(81) Designated States: AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MW, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, TZ, UA, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 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.

(54) Title: EXTENSIBLE DISTRIBUTED ENTERPRISE APPLICATION INTEGRATION SYSTEM



(57) Abstract

An agent–adapter architecture and a message object for use in systems and methods, which integrate applications of the type normally deployed across a networked enterprise. An agent encapsulates a plurality of adapters, each of which is adapted to perform discrete functions associated with respective ones of a plurality of enterprise applications. Such an agent is extensible, and includes one or more embedded objects. Each embedded object is similarly adapted to perform a discrete function, which may or may not be associated with those respective ones of the plurality of enterprise applications. The message object includes a message schema, which is adapted for use with a plurality of accessors and a plurality of converters. The message schema is a hierarchical data structure including a plurality of message elements, each of which is selected from a plurality of section elements, a plurality of table elements, and a plurality of item elements. Item elements contain data native to selected ones of a plurality of enterprise applications.