

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

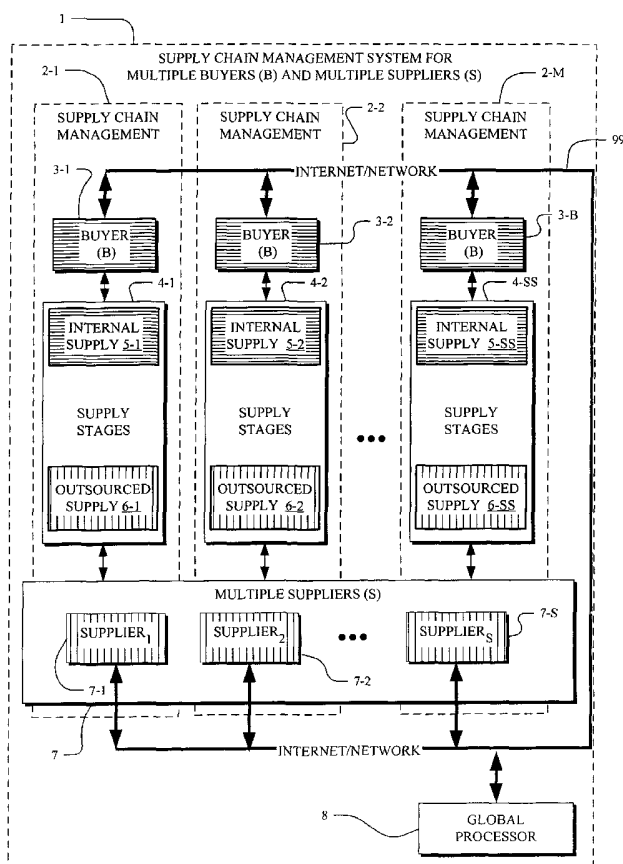
PCT

(10) International Publication Number
WO 2003/107116 A3

- (51) International Patent Classification⁷: G06F 17/60
 - (21) International Application Number: PCT/US2003/017818
 - (22) International Filing Date: 6 June 2003 (06.06.2003)
 - (25) Filing Language: English
 - (26) Publication Language: English
 - (30) Priority Data: 10/172,183 14 June 2002 (14.06.2002) US
 - (71) Applicant: GETSILICON, INC. [US/US]; 2975 Bower Avenue, Santa Clara, CA 95051 (US).
 - (72) Inventors: LOU, Ping, Yang; 16076 Greenwood Road, Monte Sereno, CA 95030 (US). MINGTANG, Thomas, Yin; 13527 Toni Ann Place, Saratoga, CA 95070 (US). EDWIN, Law; 20867 Canyon View Drive, Saratoga, CA 95070 (US). SIQING, Wei; 46725 Crawford Street, Fremont, CA 94539 (US). JOHNSON, Lee, C.; 13193 Via Arriba Drive, Saratoga, CA 95070 (US).
 - (74) Agent: LOVEJOY, David, E.; 102 Reed Ranch Road, Tiburon, CA 94920-2025 (US).
 - (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
 - (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: MULTI-STAGE SUPPLY CHAIN MANAGEMENT SYSTEM WITH DYNAMIC ORDER PLACEMENT



(57) Abstract: A global supply chain management system (1) in an environment of multiple suppliers (S) forming supply chains for buyers (B) connected over the Internet. (99). The system includes a global processor that maps local supply information for each buyer and supplier or seller. The information is represented in tables having master information correlated to local information for each buyer and supplier. A correlation means uses base lot indicators to execute supply chain management functions for tracking lots through supplier stages and for dynamic creation of sets of purchase orders among groups of suppliers.

WO 2003/107116 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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.

(88) Date of publication of the international search report:
5 August 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17818

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : G06F 17/60 US CL : 705/22,28		
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) U.S. : 705/22,28		
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 practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,T	US 6,701,201 B2 (HEGDE et al) 02 March 2004 (02.03.2004), see entire document.	1-44
A	US 6,041,267 A (DANGT et al) 21 March 2000 (21.03.2000), see entire document.	1-44
A	US 5,974,395 A (BELLINI et al) 26 October 1999 (26.10.1999), see entire document.	1-44
A	US 5,943,484 A (MILNE et al) 24 August 1999 (24.08.1999), see entire document.	1-44
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B"	earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"Z" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search	Date of mailing of the international search report	
17 March 2004 (17.03.2004)	25 JUN 2004	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Olszewski Robert <i>v. Hrdyga</i> Telephone No. (703) 306-5484	