

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 February 2006 (02.02.2006)

PCT

(10) International Publication Number
WO 2006/012160 A3

(51) International Patent Classification:
G06F 17/60 (2006.01)

(26) Publication Language:

English

(21) International Application Number:

PCT/US2005/022137

(30) Priority Data:

60/582,949	25 June 2004 (25.06.2004)	US
11/145,464	3 June 2005 (03.06.2005)	US
PCT/US2005/019961	3 June 2005 (03.06.2005)	US
PCT/US2005/021484	17 June 2005 (17.06.2005)	US
11/155,368	17 June 2005 (17.06.2005)	US

(22) International Filing Date: 24 June 2005 (24.06.2005)

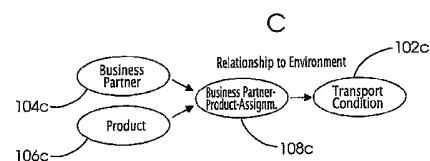
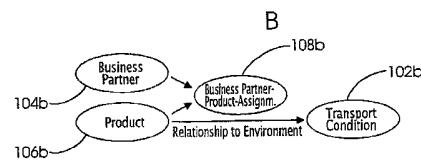
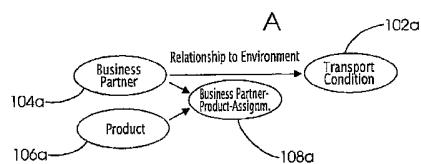
(25) Filing Language: English



[Continued on next page]

(54) Title: CONSISTENT SET OF INTERFACES DERIVED FROM A BUSINESS OBJECT MODEL

(57) Abstract: Methods and systems consistent with the present invention provide a data processing system having a business object model reflecting the data used during a business transaction. Consistent interfaces are generated from the business object model (100). These interfaces are suitable for use across industries, across businesses, and across different departments within a business during a business transaction.



WO 2006/012160 A3



(71) Applicants and

(72) Inventors: **SEUBERT, Michael** [DE/DE]; Vogel-sangstr. 10, 74889 Sinsheim (DE). **ADELMANN, Stefan** [DE/DE]; Tannhaeuserring 104, 68199 Mannheim (DE). **ALVAREZ, Gabriel** [US/DE]; Heinrich-Boell-Strasse 23, 68766 Hockenheim (DE). **BIEHLER, Markus** [DE/DE]; Am Schloessel 1, 76829 Landau (DE). **BOCK, Daniel** [DE/DE]; Fritz-Frey-Str. 5, 69121 Heidelberg (DE). **BOLD, Andreas** [DE/DE]; Hartmannstr. 28, 67063 Ludwigshafen (DE). **BROSSLER, Andreas** [DE/DE]; Am Schoepfspfad 4, 69251 Gaiberg (DE). **BUCHMANN, Daniel** [DE/DE]; Reetzstr. 19, 76327 Pfinztal (DE). **COLLE, Renzo** [DE/DE]; Oppelner Str. 2, 76437 Rastatt (DE). **DOERNER, Robert** [DE/DE]; Dieselstr. 1, 63071 Offenbach (DE). **ELFNER, Stefan** [DE/DE]; Amselgasse 6, 69121 Heidelberg (DE). **FRANKE, Stefan** [DE/DE]; Delmer Bogen 24a, 21614 Buxtehude (DE). **GEISER, Harald** [DE/DE]; Ladenburger Str. 7, 68723 Plankstadt (DE). **GOLL, Michael** [DE/DE]; Burgstr. 49, 69121 Heidelberg (DE). **GNAN, Werner** [DE/DE]; Industriestrasse 7, 74918 Angelbachtal (DE). **GROSS, Antonia** [DE/DE]; Leipziger Str. 1, 69181 Leimen (DE). **GROSS, Patrick** [DE/DE]; Steinmetzweg 34, 64625 Bensheim (DE). **GSCHWENDER, Gerhard** [DE/DE]; BrookeFields, Kundanahalli, 56037 Bangalore (DE). **HENDRICKS, Joerg** [DE/CA]; 111 Duke Street, Montreal, Québec QCH3C 2 M1 (CA). **HENGEOSS, Wolf** [DE/DE]; Alte Heerstr. 1, 69168 Wiesloch (DE). **HETZER, Stephan** [DE/DE]; Wiesenweg 13, 74918 Angelbachtal (DE). **HOFMANN, Christine** [DE/DE]; Schlehdornweg 51, 69469 Weinheim (DE). **JAECK, Volker** [DE/DE]; Hinter der Muehle 31, 69226 Nussloch (DE). **KELNBERGER, Bernhard** [DE/DE]; Burgunderweg 2, 69231 Rauenberg (DE). **KEMMER, Johann** [DE/DE]; Schillerstr. 24, 69242 Muehlhausen (DE). **KIWON, Adam** [DE/DE]; Gehaegestr. 20C, 69190 Hannover (DE). **KOETTER, Karsten** [DE/DE]; Heinrich-Fuchs-Str. 36, 69126 Heidelberg (DE). **KRAEHMER, Thilo** [DE/DE]; Friedrich-Ebert-Anlage 41, 69117 Heidelberg (DE). **KUEHL, Axel** [DE/DE]; Kurpfalzstr. 58, 69226 Nussloch (DE). **KUSTER, Corinne** [DE/DE]; Rettigheimer Str. 32, 69242 Muehlhausen/Kraichgau (DE). **LEHNER, Christoph** [DE/DE]; Hildastr. 9, 69115 Heidelberg (DE). **LIEBOLD, Werner** [DE/DE]; Haselweg 2/2, 69168 Wiesloch (DE). **MAKRIS, Otto** [GR/DE]; Hirtenaue 50, 69118 Heidelberg (DE). **MORSCH, Andreas** [DE/DE]; Nietzschestrasse 36, 68165 Mannheim (DE). **NOWOTNY, Dietmar** [DE/DE]; Kraichgaustr. 41a, 69234 Dielheim (DE). **NIETSCHKE, Thomas** [DE/DE]; Sinsheimer Str. 79, 69226 Nussloch (DE). **NIESWAND, Wolfgang** [DE/DE]; Heinrich-Luebke-Weg 14, 69242 Muehlhausen (DE). **PODHAJSKY, Georg** [DE/DE]; Germerheimerstr. 5, 76661 Philippsburg (DE). **POETSCHKE, Dominic** [DE/DE]; Theodor-Heuss-Str. 5, 76275 Ettlingen (DE). **PYKA, Uwe** [DE/DE]; Seewaldstr. 1, 74889 Sinsheim-Hilsbach (DE). **RADCKE, Ruediger** [DE/DE]; Viktoriastrasse 4, 76646 Bruchsal (DE). **RASCH, Jochen** [DE/DE]; Freiherr-vom-Stein-Str. 6, 69207 Sandhausen (DE). **REINEMUTH, Frank** [DE/DE]; Waldforte 116, 68305 Mannheim (DE). **RIEKEN, Gregor** [DE/DE]; Erlenweg 12, 69190 Walldorf (DE). **RIPP, Volker** [DE/DE]; Robert-Blum-Str. 4, 68199 Mannheim (DE). **RITTER, Gerd** [DE/DE]; Schwetzingenstr. 91, 69124 Heidelberg (DE). **SALA, Paola** [IT/DE]; Marktplatz 6, 69117 Heidelberg (DE). **SCHAPLER, Daniela** [DE/DE]; Goethestr. 22, 68789 St. Leon-Rot (DE). **SCHMITT, Matthias** [DE/DE]; Ernst-Rehm-Str. 7, 69124 Heidelberg (DE). **SCHNEIDER, Andreas** [DE/DE]; v. Heyl Str.



(74) **Agents:** SAITO, Marina, N., et al.; 8000 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606 (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:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) **Date of publication of the international search report:**

13 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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/22137

A. CLASSIFICATION OF SUBJECT MATTER

IPC: G06F 17/60

USPC: 705/7

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. : 705/7

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)
WEST, CASONLINE, DIALOG

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,125,391 A (MELTZER et al), 26 September 2000, see entire document.	1
A	US 6,226,675 A (MELTZER et al) 01 May 2001, see entire document.	1
A	US 6,542,912 A (MELTZER et al) 01 April 2003, see entire document	1
A	US 6,591,260 A (SCHWARTZHOFF et al) 08 July 2003, see entire document.	1

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"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

16 April 2006 (16.04.2006)

Date of mailing of the international search report

12 MAY 2006

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

Faxsimile No. (571) 273-3201

Authorized officer

Tariq R Hafiz

Telephone No. (571) 272-3600