

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BUSINESS OBJECTS S.A.	10/31/2007
RECEIVING PARTY DATA	
Name:	BUSINESS OBJECTS SOFTWARE LTD.
Street Address:	25-28 Northwall Quay
City:	Dublin
State/Country:	IRELAND
Postal Code:	1
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13021546
CORRESPONDENCE DATA	
Fax Number:	(202)842-7899
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-842-7800
Email:	ksmith@cooley.com
Correspondent Name:	COOLEY LLP
Address Line 1:	777 Sixth Street N.W.
Address Line 2:	Suite 1100
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20001
ATTORNEY DOCKET NUMBER:	BOBJ-084/01US 304661-2510
NAME OF SUBMITTER:	William S. Galliani
Total Attachments: 11 source=13021546_CorporateAssignment#page1.tif source=13021546_CorporateAssignment#page2.tif source=13021546_CorporateAssignment#page3.tif source=13021546_CorporateAssignment#page4.tif	

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Attorney Docket No:

PATENT

ASSIGNMENT OF PATENT RIGHTS
(Company to Company)

Business Objects, S.A., a corporation duly organized under and pursuant to the laws of **France**, and having its principal place of business at 157-159, Rue Anatole France, Levallois-Perret, France F-92309 (herein referred to as "Assignor") owns the entire right, title and interest in any Letters Patent(s) ("said patent(s)") and any Patent application(s) ("said application(s)") listed on the attached **Exhibit A**, as well as any invention(s) ("said invention(s)") disclosed in said application(s) and said patent(s).

WHEREAS, **Business Objects Software Ltd.**, a corporation duly organized under and pursuant to the laws of **Ireland**, and having its principal place of business at **25/28 Northwall Quay, Dublin 1, Ireland** (herein referred to as "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said invention(s), said application(s), and said patent(s), the right to file applications on said invention(s), the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application(s), the right to recover damages, including provisional or other royalties, for prior infringements of said application(s) and said patent(s), and the entire right, title, and interest in and to any Letters Patent or Patents, United States or foreign, to be obtained for said invention(s) and said application(s);

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to said invention(s), said application(s), and said patent(s), the right to file applications on said invention(s), the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application(s), including divisions, continuations, and continuations-in-part of said application(s), the right to recover damages, including provisional or other royalties, for prior infringements of said application(s) and said patent(s), the entire right, title and interest in and to any and all Letters Patent or Patents, United States or foreign, to be obtained for said invention(s) and said application(s), the entire right, title and interest in and to any and all reissues and extensions of said patent(s), and all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of

the entire right, title, and interest in and to said invention(s), said application(s), and said patent(s), and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s), said application(s), said patent(s), any application claiming priority to said application(s), any reissue or extension of said patent(s), and any United States or foreign Letters Patent or Patents for said invention(s) or said application(s), including interference proceedings, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby requests the Commissioner of Patents to issue any and all aforementioned patent(s) of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: October 31, 2007

By: 

Name: **Brian D. Stine**
Title: **Associate General Counsel**
Company: **Business Objects, S.A.**

EXHIBIT A

PATENTS AND PATENT APPLICATIONS

Patents

	Patent No.	Docket#	Issue Date	Title
1.	6,289,352	BOBJ-002/00US	9/11/2001	Apparatus And Method For Compound On-Line Analytical Processing In Databases
2.	6,490,593	BOBJ-002/01US	12/3/2002	Apparatus And Method For Compound On-Line Analytical Processing In Databases
3.	6,882,998	BOBJ-003/01US	4/19/2005	Apparatus And Method For Selecting Cluster Points For A Clustering Analysis
4.	7,194,465	BOBJ-006/00US	4/20/2007	Apparatus And Method For Identifying Patterns In A Multi-Dimensional Database
5.	6,831,668	BOBJ-019/01US	12/14/2004	Analytical Reporting On Top Of Multidimensional Data Model
6.	7,222,130	BOBJ-019/03US	3/2/1999	Specification To ABAP Code Converter
7.	6,768,986	BOBJ-020/00US	7/27/2004	Mapping Of An RDBMS Schema Onto A Multidimensional Data Model
8.	7,181,440	BOBJ-020/01US	2/20/2007	Mapping Of An RDBMS Schema Onto A Multidimensional Data Model
9.	7,139,766	BOBJ-021/01US	11/29/2006	Universal Drill-Down System For Coordinated Presentation Of Items In Different Databases
10.	6,578,027	BOBJ-023/00US	6/10/2003	Relational Database Access System Using Semantically Dynamic Objects
11.	7,181,435	BOBJ-023/01US	2/20/2007	Relational Database Access System Using Semantically Dynamic Objects
12.	6,247,008	BOBJ-051/00US	6/12/2001	Relational Database Access System Using Semantically Dynamic Objects
13.	5,555,403	BOBJ-052/00US	9/10/1996	Relational Database Access System Using Semantically Dynamic Objects

Patent Applications

	Application No.	Docket	Filing Date	Title
1.	10/183,898	BOBJ-004/01US	6/25/2002	Apparatus And Method For Combining Discrete Logic Visual Icons To Form A Data Transformation Block
2.	11/870,392	BOBJ-004/02US	10/10/2007	Apparatus And Method For Combining Discrete Logic Visual Icons To Form A Data Transformation Block
3.	10/260,062	BOBJ-005/01US	9/27/2002	Apparatus And Method For Supplementing A Data Report With A Highlighted Exception Trend
4.	11/684,554	BOBJ-006/01US	3/9/2007	Apparatus And Method For Identifying Patterns In A Multi-Dimensional Database
5.	10/335,079	BOBJ-007/00US	12/31/2002	Apparatus And Method For Delivering Portions Of Reports
6.	11/137,710	BOBJ-007/01US	5/24/2005	Apparatus And Method For Inserting Portions Of Reports Into Electronic Documents
7.	10/328,744	BOBJ-011/00US	12/23/2002	Apparatus And Method For Creating New Reports From Discrete Reports
8.	11/166,335	BOBJ-011/01US	6/24/2005	Apparatus And Method For Creating From Discrete Reports New Reports With Differentiated Data
9.	11/166,039	BOBJ-011/02US	6/24/2005	Apparatus And Method For Creating From Discrete Reports New Reports With Metadata
10.	11/182,486	BOBJ-011/03US	7/14/2005	Apparatus And Method For Creating New Reports From A Consolidated Data Mart
11.	10/850,355	BOBJ-012/01US	5/19/2004	Apparatus And Method For Accessing Diverse Native Data Sources Through A Metadata Interface
12.	11/137,684	BOBJ-012/02US	5/24/2005	Apparatus And Method For Accessing Diverse Native Data Sources Through A Metadata Interface
13.	10/882,798	BOBJ-013/01US	6/29/2004	Apparatus And Method For Personalized Data Delivery
14.	11/016,335	BOBJ-015/01US	12/17/2004	Apparatus And Method For Using Data Filters To Deliver Personalized Data From A Shared Document
15.	10/954,641	BOBJ-016/00US	9/29/2004	Apparatus And Method For Generating Reports From Shared Objects

16.	11/241,773	BOBJ-017/01US	9/30/2005	Apparatus And Method For Report Publication In A Federated Cluster
17.	10/673,090)	BOBJ-019/03US	9/26/2003	Report Then Query Capability For A Multidimensional Database Model
18.	11/000,597	BOBJ-019/04US	11/30/2004	Analytical Reporting On Top Of Multidimensional Data Model
19.	11/563,601	BOBJ-019/05US	11/27/2006	Report Then Query Capability For A Multidimensional Database Model
20.	11/671,871	BOBJ-020/02US	2/2/2007	Mapping Of An RDBMS Schema Onto A Multidimensional Data Model
21.	11/511,939	BOBJ-021/02US	8/28/2006	Universal Drill-Down System For Coordinated Presentation Of Items In Different Databases
22.	10/683,170	BOBJ-022/01US	10/9/2003	Method And System For Information Practice Management
23.	11/671,449	BOBJ-023/02US	2/5/2007	Relational Database Access System Using Semantically Dynamic Objects
24.	11/271,702	BOBJ-024/01US	11/9/2005	Computer Readable Medium, Method And Apparatus For Preserving Filtering Conditions To Query Multilingual Data Sources At Various Locales When Regenerating A Report
25.	11/264,633	BOBJ-025/01US	10/31/2005	Apparatus And Method For Generating Reports From Versioned Data
26.	11/102,488	BOBJ-026/00US	4/7/2005	Apparatus And Method For Deterministically Constructing A Text Question For Application To A Data Source
27.	11/267,041	BOBJ-026/01US	11/4/2005	Apparatus And Method For Deterministically Constructing A Text Questions For Application To A Data Source
28.	11/488,441	BOBJ-026/02US	7/17/2006	Apparatus And Method For Deterministically Constructing A Text Question For Application To A Data Source
29.	11/102,613	BOBJ-036/00US	4/7/2005	Apparatus And Method For Data Modeling Business Logic
30.	11/102,562	BOBJ-037/00US	4/7/2005	Apparatus And Method For Constructing Complex Database Query Statements Based On Business Analysis Comparators
31.	11/102,477	BOBJ-038/00US	4/7/2005	Apparatus And Method For Utilizing Sentence Component Metadata To Create Database Queries
32.	11/112,752	BOBJ-039/00US	4/22/2005	Apparatus And Method For Transforming XBRL Data Into Database Schema

33.	11/112,958	BOBJ-040/00US	4/22/2005	Apparatus And Method For Constructing A Semantic Layer Based On XBRL Data
34.	11/515,403	BOBJ-044/01US	8/31/2006	Apparatus And Method For Processing License Keys Using Dynamic Field Mapping
35.	11/316,792	BOBJ-045/00US	12/22/2005	Apparatus And Method For Strategy Map Validation And Visualization
36.	11/343,728	BOBJ-046/00US	1/30/2006	Apparatus And Method For Forecasting Data Using Fuzzy Boundaries
37.	11/344,587	BOBJ-047/00US	1/30/2006	Apparatus And Method For Control Chart Data
38.	11/364,560	BOBJ-049/00US	2/27/2006	Apparatus And Method For Using Vertical Hierarchies In Conjunction With Hybrid Slowly Changing Primary Dimension Table
39.	11/445,447	BOBJ-050/00US	5/31/2006	Apparatus And Method For Extracting Database Information From A Report
40.	11/377,230	BOBJ-054/00US	3/15/2006	Apparatus And Method For Automatically Sizing Fields Within Reports
41.	11/304,503	BOBJ-055/00US	12/14/2005	Apparatus And Method For Generating Reports From A Shared List Of Parameters
42.	11/303,039	BOBJ-056/00US	12/14/2005	Apparatus And Method For Transporting A Business Intelligence Objects Between Business Intelligence Systems
43.	11/303,038	BOBJ-057/00US	12/14/2005	Apparatus And Method For Persistent Report Serving
44.	11/318,074	BOBJ-060/01US	12/23/2005	Apparatus And Method For Augmenting A Report With Metadata For Export To A Non-Report Document
45.	11/304,980	BOBJ-061/00US	12/14/2005	Apparatus And Method For Defining Relationships Between Component Objects In A Business Intelligence System
46.	11/318,333	BOBJ-066/01US	12/23/2005	Apparatus And Method For Augmenting Report With Parameter Binding Metadata
47.	11/318,351	BOBJ-067/01US	12/23/2005	Apparatus And Method For Consolidating Reporting Formulas
48.	11/391,070	BOBJ-073/01US	3/27/2006	Apparatus And Method For Manipulating Report Segments
49.	11/549,068	BOBJ-074/01US	10/12/2006	Apparatus And Method for Generating Reports With Masked Confidential Data

50.	11/269,145	BOBJ-075/00US	11/7/2005	Apparatus And Method for Facilitating Trusted Business Intelligence Through Data Context
51.	11/558,861	BOBJ-075/01US	11/9/2006	Apparatus And Method For Defining Report Parts
52.	11/267,029	BOBJ-076/00US	11/4/2005	Apparatus And Method For Facilitating Trusted Business Intelligence
53.	11/364,564	BOBJ-077/00US	2/27/2006	Apparatus And Method For Federated Querying of Unstructured Data
54.	11/450,143	BOBJ-080/01US	6/9/2006	Apparatus and Method for Using Connector Components to Provide Connectivity to Interactive Graphics Representative of Input and Output Data
55.	11/364,565	BOBJ-081/00US	2/27/2006	Apparatus And Method For Indexing Data Changes
56.	11/390,870	BOBJ-082/00US	3/27/2006	Method And Apparatus For Improved Forecasting
57.	11/365,477	BOBJ-083/00US	2/27/2006	Method And System For Selecting A Subset Of Report Templates Based On Specified Criteria
58.	11/480,281	BOBJ-084/00US	6/30/2006	Apparatus and Method For Producing A Virtual Database From Data Sources Exhibiting Heterogeneous Schemas
59.	11/387,939	BOBJ-085/00US	3/22/2006	Apparatus And Method For Displaying Transparent Windows When Copying Or Moving Items Between Windows
60.	11/394,639	BOBJ-086/00US	3/31/2006	Apparatus And Method For Selecting Multiple Items In A Graphical User Interface
61.	11/394,641	BOBJ-087/00US	3/31/2006	Apparatus And Method For Report Sharing Within An Instant Messaging Framework
62.	11/488,463	BOBJ-087/01US	7/17/2006	Apparatus And Method For Supplying Report Content Within Collaborative Frameworks
63.	11/488,459	BOBJ-087/02US	7/17/2006	Apparatus And Method For Supplying Report Sharing An Instant Messaging Framework
64.	11/444,597	BOBJ-088/00US	5/31/2006	Apparatus And Method for Forecasting Qualitative Assessments
65.	11/403,459	BOBJ-089/00US	4/12/2006	Apparatus And Method For Routing Composite Objects To A Report Server
66.	11/454,224	BOBJ-090/00US	6/16/2006	Apparatus And Method For Processing Of COBOL Nested Data Record Schemas

67.	11/454,254	BOBJ-091/00US	6/16/2006	Apparatus And Method For Processing Data Corresponding To Multiple COBOL Data Record Schemas
68.	11/455,035	BOBJ-092/00US	6/16/2006	Apparatus And Method For Processing COBOL Data Record Schemas Having Disparate Formats
69.	11/445,488	BOBJ-093/00US	5/31/2006	Apparatus And Method For Comparing Metadata Structures
70.	11/413,979	BOBJ-094/00US	4/28/2006	Apparatus And Method For Using A Panel Layout To Consolidate Dynamic And Interactive Graphics Representative Of Input And Output Data
71.	11/742,506	BOBJ-096/01US	4/30/2007	Apparatus And Method For Relating Graphical Representations Of Data Tables
72.	11/435,554	BOBJ-097/00US	5/16/2006	Apparatus And Method For Recursively Rationalizing Data Source Queries
73.	11/752,803	BOBJ-098/01US	5/23/2007	Apparatus And Method For Querying Databases Via A Web Service
74.	11/446,335	BOBJ-099/00US	6/2/2006	Apparatus and Method For Embedding And Utilizing Report Controls Within An Online Report
75.	11/695,502	BOBJ-100/00US	4/2/2007	Apparatus And Method For Generating Spreadsheet Function Source Code For Use In A Source Code Application
76.	11/478,841	BOBJ-101/00US	6/30/2006	Apparatus And Method For Defining File Object Attribute Perspectives
77.	11/478,836	BOBJ-102/00US	6/30/2006	Apparatus And Method For Visualizing Data
78.	11/537,586	BOBJ-103/00US	9/29/2006	Apparatus And Method For Data Charting With Adaptive Learning
79.	11/488,460	BOBJ-104/00US	7/17/2006	Apparatus And Method For Report Invocation An Manipulation On a Mobile Communication Device
80.	11/503,486	BOBJ-105/00US	8/10/2006	Apparatus And Method For Selecting Visualizations of Multidimensional Data
81.	11/503,537	BOBJ-106/00US	8/10/2006	Apparatus And Method For Implementing Match Transforms In An Enterprise Information Management System
82.	11/537,597	BOBJ-107/00US	9/29/2006	Apparatus And Method for Searching Reports
83.	11/515,441	BOBJ-108/00US	8/31/2006	Apparatus And Method For Processing Queries Against Combinations Of Data Sources

84.	11/515,405	BOBJ-109/00US	8/31/2006	Apparatus And Method For An Extended Semantic Layer Specifying Data Model Objects With Calculated Values
85.	11/505,404	BOBJ-111/00US	8/31/2006	Apparatus And Method For an Extended Semantic Layer With Multiple Combined Semantic Domains Specifying Data Model Objects
86.	11/537,592	BOBJ-112/00US	9/F20029/06	Apparatus And Method For Generating Queries And Reports
87.	11/565,264	BOBJ-113/00US	9/22/2006	Apparatus And Method For Visualizing Overlapping Range-Bands
88.	11/537,588	BOBJ-114/00US	9/29/2006	Apparatus And Method For Visualizing The Relationship Between A Plurality Of Sets
89.	11/537,587	BOBJ-115/00US	9/29/2006	Apparatus And Method For Receiving A Report
90.	11/555,206	BOBJ-118/00US	10/31/2006	Apparatus And Method For Filtering Data Using Nested Panels
91.	11/871,949	BOBJ-118/01US	10/12/2007	Apparatus And Method For Assessing Relevant Categories And Measures For Use In Data Analyses
92.	11/555,234	BOBJ-119/00US	10/31/2006	Apparatus And Method For Categorical Filtering Of Data
93.	11/864,618	BOBJ-120/01US	9/28/2007	Apparatus And Method For Creating Business Process Workflows Within Business Intelligence Systems
94.	11/556,637	BOBJ-121/00US	11/3/2006	Apparatus And Method For Displaying A Variety Of Visualizations Linked To One Or More Data Source Queries
95.	11/864,460	BOBJ-122/01US	9/28/2007	Apparatus And Method For A Collaborative Semantic Domain And Data Set Based On Combining Data
96.	11/864,554	BOBJ-123/01US	9/28/2007	Apparatus And Method For Creating Business Process Workflows Within Business Intelligence Systems
97.	11/566,668	BOBJ-124/00US	12/1/2006	Apparatus And Method Of Displaying The Status Of A Computing Task
98.	11/612,416	BOBJ-125/00US	12/18/2006	Apparatus And Method For Distributing Data And Application Between Business Intelligence System
99.	11/680,547	BOBJ-128/00US	2/28/2007	Apparatus And Method For Defining And Processing Publication Objects
100.	11/777,538 11/777,957	BOBJ-128/01US	7/13/2007	Apparatus And Method For Creating Publications From Static And Dynamic Content

101.	11/752,808	BOBJ-129/00US	5/23/2007	Apparatus And Method For Processing Queries For Combined Hierarchical Dimensions
102.	11/611,807	BOBJ-130/00US	12/15/2006	Apparatus And Method For Creating A Customized Virtual Data Source
103.	11/615,728	BOBJ-131/00US	12/22/2006	Apparatus and Method for Automating Server Optimization
104.	11/679,763	BOBJ-138/00US	2/27/2007	Apparatus And Method For Quantitatively Measuring The Balance Of A Balanced Scorecard
105.	11/831,949	BOBJ-139/00US	7/31/2007	Apparatus And Method For Determining A Validity Index For Key Performance Indicators
106.	11/669,856	BOBJ-141/00US	1/31/2007	Apparatus And Method For Data Charting With An Extensible Visualization Library
107.	11/686,306	BOBJ-143/00US	3/14/2007	Apparatus And Method For Manipulating Variable States
108.	11/695,526	BOBJ-144/00US	4/2/2007	Apparatus And Method For Constructing And Using A Semantic Abstraction For Querying Hierarchical Data
109.	11/680,553	BOBJ-145/00US	2/28/2007	Apparatus And Method For Remote Querying of Data Sources
110.	11/691,346	BOBJ-146/00US	3/26/2007	Apparatus And Method For Query Based Paging Through A Collection Of Values
111.	11/771,239	BOBJ-148/00US	6/29/2007	Apparatus And Method For Guided Graphical Navigation through Multi-Dimensional Databases
112.	11/692894	BOBJ-149/00US	3/28/2007	Apparatus And Method For Creating And Consuming Custom Visualization Templates
113.	11/697,595	BOBJ-150/00US	4/6/2007	Apparatus And Method For Linking Objects Created In A Rapid Application Development Environment
114.	11/739,636	BOBJ-151/00US	4/24/2007	Apparatus And Method For Creating Stand-Alone Business Intelligence Widgets Within An Authentication Framework
115.	11/750,993	BOBJ-152/00US	5/18/2007	Apparatus And Method For Supplying Data In Accordance with A Retail Paradigm
116.	11/748,441	BOBJ-153/00US	5/14/2007	Apparatus And Method For Organizing Visual Objects
117.	11/769,375	BOBJ-159/00US	6/27/2007	Apparatus And Method For Materializing Related Business Intelligence Data Entities

118.	11/780,436	BOBJ-160/00US	7/19/2007	Apparatus And Method For Document Synchronization
119.	11/849,156	BOBJ-183/00US	8/31/2007	Apparatus And Method For Dynamically Selecting Componentized Executable Instructions At Run Time
120.	11/848,141	BOBJ-184/00US	8/30/2007	Apparatus And Method For Integrating Print Preview With Document Editing In Data Modeling
121.	11/849,172	BOBJ-185/00US	8/31/2007	Apparatus And Method For Calculating And Visualizing Targets
122.	11/871,952	BOBJ-187/00US	10/12/2007	Apparatus And Method For Morphing Data Visualizations
123.	11/871,957	BOBJ-188/00US	10/12/2007	Apparatus And Method For Creating Expressions
124.	11/871,958	BOBJ-189/00US	10/12/2007	Apparatus And Method For Distribution Of A Report With Dynamic Write-Back To A Data Source
125.	11/871,959	BOBJ-190/00US	10/12/2007	Apparatus And Method For Visualizing Data Within A Decomposition Graph