

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4045839

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALAN MCSHANE	08/15/2016
JACQUES DOAN HUU	08/29/2016
AHMED ABDELRAHMAN	08/17/2016
ANTOINE CARME	09/09/2016
BERTRAND LAMY	08/29/2016
FADI MAALI	08/17/2016
LAYA OUOLOGUEM	08/09/2016
MILENA CAIRES	08/22/2016
NICOLAS DULIAN	09/09/2016
ERIK MARCADE	08/29/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Business Objects Software Ltd.
<b>Street Address:</b>	25/28 North Wall Quay
<b>City:</b>	Dublin
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15261215
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(214) 747-5070
<b>Email:</b>	APSI@fr.com
<b>Correspondent Name:</b>	FISH & RICHARDSON P.C.
<b>Address Line 1:</b>	P.O. BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	22135-0926001
<b>NAME OF SUBMITTER:</b>	CANDICE R. ROCKETT

<b>SIGNATURE:</b>	/Candice R. Rockett/
<b>DATE SIGNED:</b>	09/09/2016
<b>Total Attachments: 10</b> source=22135-0926001-ASSIGNMENT-10-executed#page1.tif source=22135-0926001-ASSIGNMENT-10-executed#page2.tif source=22135-0926001-ASSIGNMENT-10-executed#page3.tif source=22135-0926001-ASSIGNMENT-10-executed#page4.tif source=22135-0926001-ASSIGNMENT-10-executed#page5.tif source=22135-0926001-ASSIGNMENT-10-executed#page6.tif source=22135-0926001-ASSIGNMENT-10-executed#page7.tif source=22135-0926001-ASSIGNMENT-10-executed#page8.tif source=22135-0926001-ASSIGNMENT-10-executed#page9.tif source=22135-0926001-ASSIGNMENT-10-executed#page10.tif	

ASSIGNMENT

For valuable consideration, we, Alan McShane, Jacques Doan Huu, Ahmed Abdelrahman, Antoine Carme, Bertrand Lamy, Fadi Maali, Laya Ouologuem, Milena Caires, Nicolas Dulian and Erik Marcade, hereby assign to Business Objects Software Ltd., a corporation of Ireland, having a place of business at 25/28 North Wall Quay, Dublin 1 IRELAND, and its successors, and assigns (collectively, "the ASSIGNEE") our entire right, title and interest throughout the world in the inventions and improvements in a patent document entitled

**PREDICTIVE MODELING OPTIMIZATION,**

which is found in the

U.S. patent application filed on September 9, 2016  
[X] under Application No. 15/261,215

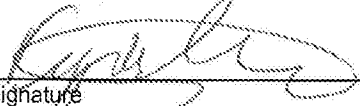
We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known.

This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. We authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

We hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment.

We further agree for ourselves and our respective heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto; and we agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature   
Alan McShane

Witnessed by:   
Signature  
George Kypriacou  
Print Name

15/09/16  
Date

Inventor's Signature   
Jacques Doan Huu

Witnessed by:   
Signature  
Marc Damiani  
Print Name

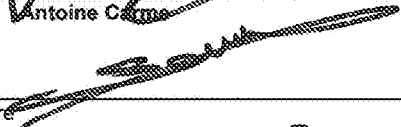
29/08/2016  
Date

Inventor's Signature Ahmed  
Ahmed Abdelrahman

Witnessed by: Zak Szadowski  
Signature  
Zak Szadowski  
Print Name

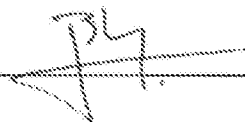
17/08/2016  
Date

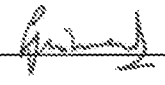
Inventor's Signature   
Antoine Carre

Witnessed by:   
Signature

09/09/2016  
Date

TECHIRI Somy  
Print Name

Inventor's Signature   
Bertrand Lamy

Witnessed by:   
Signature  
Kevin GUIRAUD  
Print Name

August 23<sup>rd</sup>, 2016  
Date


Inventor's Signature Fadi Masli  
Fadi Masli

Witnessed by: Zygodowski  
Signature

17/08/2016  
Date

Zak Szudowski  
Print Name



Inventor's Signature   
\_\_\_\_\_ **Laya Oueloguém**

Witnessed by: \_\_\_\_\_  
Signature

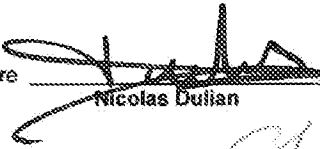
08/09/2016  
Date

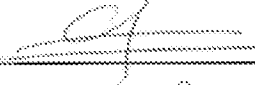
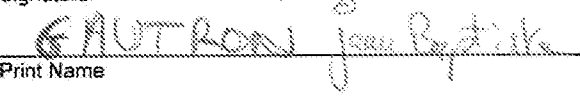
  
\_\_\_\_\_ **Samy TECHIRI**  
Print Name

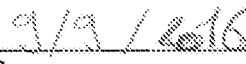
Inventor's Signature Milena Cortantini Caires  
Milena Caires

Witnessed by: Kieran Hyland  
Signature  
KIERAN HYLAND  
Print Name

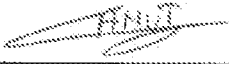
22/08/2016  
Date

Inventor's Signature   
Nicolas Dullian

Witnessed by:   
Signature  
  
Print Name

  
Date

Inventor's Signature  \_\_\_\_\_  
Erik Marcade

Witnessed by:  \_\_\_\_\_  
Signature  
ERNUT Frederic  
Print Name

29/08/2016  
Date