

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BUSINESS INTELLIGENCE SOLUTIONS SAFE B.V.	11/15/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NEW BIS SAFE LUXCO S.À R.L
<b>Street Address:</b>	13-15, AVENUE DE LA LIBERTÉ
<b>City:</b>	LUXEMBOURG
<b>State/Country:</b>	LUXEMBOURG
<b>Postal Code:</b>	L-1931
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8669994
<b>Patent Number:</b>	9454832
<b>Patent Number:</b>	9454833
<b>Application Number:</b>	15277987
<b>Application Number:</b>	15703796
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)332-9801
<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>	6123325300
<b>Email:</b>	crogers@merchantgould.com
<b>Correspondent Name:</b>	MERCHANT & GOULD P.C.
<b>Address Line 1:</b>	P.O. BOX 2903
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	00012.0030FPWO_C1-C4
<b>NAME OF SUBMITTER:</b>	BENJAMIN A. TRAMM
<b>SIGNATURE:</b>	/Benjamin A. Tramm/
<b>DATE SIGNED:</b>	09/20/2017
<b>Total Attachments: 9</b>	
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## **PATENT ASSIGNMENT**

This PATENT ASSIGNMENT ("Assignment") is entered into as of November 15, 2012, by Business Intelligence Solutions Safe B.V., a Dutch private limited liability company ("Assignor"), in favor of New BIS Safe Luxco, a Luxembourg private limited company (*société à responsabilité limitée*) ("Assignee") (collectively, the "Parties" and each a "Party").

WHEREAS, Assignor and Assignee are parties to the Transaction Agreement, dated November 1, 2012 (the "Transaction Agreement"), pursuant to which Assignor has agreed to assign to Assignee and Assignee has agreed to acquire certain assets of Assignor including, without limitation, the patent applications identified and set forth on Schedule A attached hereto (all such patents and patent applications referred to collectively as the "Patents"); and

WHEREAS, pursuant to the Transaction Agreement, Assignor wishes to transfer to Assignee, and Assignee wishes to acquire from Assignor, all of Assignor's right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, Assignor hereby agrees:

1. Assignment. Assignor hereby sells, assigns, conveys, transfers and delivers to Assignee and its successors and assigns, and Assignee hereby purchases from Assignor and accepts the sale, assignment, conveyance, transfer and delivery of, all of Assignor's right, title and interest in, to and under the Patents, together with:
  - a. all divisionals, continuations, continuations in part, substitutes, extensions, renewals, reissues, reexaminations, other applications and related cases (in each instance, whether pending, issued, abandoned or filed in the future) that have been or shall be filed anywhere in the world and that are based upon and claim priority to any of the Patents (all of the foregoing, collectively, "Related Cases");
  - b. any inventions and improvements claimed or disclosed in any of the Patents or Related Cases, and any and all letters patent, certificates of invention, design registrations and utility models which may be granted therefor; and
  - c. all causes of action, enforcement rights, infringement, misappropriation or other claims and all other rights (including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement) based upon, arising out of or relating to any of the Patents or Related Cases.

Pursuant to the foregoing assignment, Assignor hereby acknowledges that each of the Patents and Related Cases shall hereafter be for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Agreement had not been made. The assignment pursuant to this Section 1 includes, without limitation, (A) the right to register or apply in all countries and regions in the Assignee's name for patents,

utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; (B) the right to apply for, prosecute, maintain and defend the Patents and Related Cases (including the right to continue any such action underway and to revive any such action previously abandoned) before any public or private agency, office or registrar including by filing reissues, reexaminations, divisions, continuations, continuations-in-part, substitutes, extensions and all other applications included in the Patents and Related Cases; and (C) the right, if any, to claim priority based on the filing dates of any of the Patents or Related Cases under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purpose.

2. Ownership. Assignor hereby acknowledges and agrees that from and after the date hereof, Assignee shall be the exclusive owner of all of Assignor's right, title and interest in, to and under the Patents and Related Cases.
3. Further Assurances. Assignor shall, at Assignee's cost and expense, take all actions and execute and deliver such other documents that Assignee may reasonably request to effect the terms of this Assignment and to perfect Assignee's title in, to and under the Patents and the Related Cases, including, without limitation, entering into individual patent assignment agreements for the purposes of evidencing and recording Assignee's rights in the Patents and the Related Cases and filing such assignment agreements at national and regional patent registration offices.
4. Recordation. The Parties agree that Assignee may record this Assignment with the applicable patent authorities.
5. Miscellaneous. This Assignment shall be governed by, and construed in accordance with, the laws of the State of Delaware applicable to contracts made and to be performed entirely in such state without regard to principles of conflicts or choice of laws or any other law that would make the laws of any other jurisdiction other than the State of Delaware applicable hereto. This Assignment may not be supplemented, altered or modified in any manner except by a writing signed by the Parties hereto. The failure of any Party to enforce any terms or provisions of this Assignment shall not waive any of its rights under such terms or provisions. In the event of a conflict between the provisions herein and the terms and conditions of the Transaction Agreement, the terms and conditions of the Transaction Agreement shall govern. This Assignment shall bind and inure to the benefit of the respective Parties and their assigns, transferees and successors. This Assignment and any amendments hereto may be executed in one or more counterparts, each of which shall be deemed an original but all of which together will constitute one and the same instrument.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be executed as of the date first above written.

**ASSIGNEE:**

NEW BIS SAFE LUXCO

By: 

Name:

Title:

**ASSIGNOR:**

BUSINESS INTELLIGENCE SOLUTIONS  
SAFE B.V.

By: 

Name:

Title:

[Signature Page to Patent Assignment]

**Schedule A**

<b>Patent</b>	<b>Jurisdiction</b>	<b>Application Number/ Filing Date</b>	<b>Patent Number/ Issue Date</b>	<b>Status</b>	<b>Owner</b>
DATA OBFUSCATION SYSTEM, METHOD, AND COMPUTER IMPLEMENTATION OF SECRET DATABASES	PCT	PCT/NZ2009/000077 May 12, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
DATA OBFUSCATION SYSTEM, METHOD, AND COMPUTER IMPLEMENTATION OF SECRET DATABASES	PCT	PCT/NZ2009/000113 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
METHOD AND SYSTEM OF GRAPHICALLY REPRESENTING DISCRETE DATA AS A CONTINUOUS SURFACE FOR DATA VISUALISATION AND RELATED APPLICATIONS	PCT	PCT/NZ2009/000112 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
METHOD AND SYSTEM OF GRAPHICALLY REPRESENTING DISCRETE DATA AS A CONTINUOUS SURFACE	PCT	PCT/NZ2009/000110 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
METHOD OF GRAPHICALLY REPRESENTING A TREE STRUCTURE	PCT	PCT/NZ2009/000109 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
A METHOD OF OPTIMIZING A TREE STRUCTURE FOR GRAPHICAL REPRESENTATION	PCT	PCT/NZ2009/000108 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
SYSTEM AND METHOD OF IDENTIFYING AND VISUALLY REPRESENTING ADJUSTABLE DATA	PCT	PCT/NZ2009/000111 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
A DIMENSION REDUCING VISUAL REPRESENTATION METHOD	PCT	PCT/NZ2009/000114 June 18, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	PCT	PCT/NZ2009/000179 August 31, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DETERMINING AN ADJUSTMENT VALUE OF A GAMING DEVICE	PCT	PCT/NZ2009/000247 November 13, 2009	-	Pending	Business Intelligence Solutions Safe B. V.

[Schedule A to Patent Assignment]

Patent	Jurisdiction	Application Number/ Filing Date	Patent Number/ Issue Date	Status	Owner
IMPROVED DATA VISUALIZATION METHOD	PCT	PCT/NZ2009/000246 November 13, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED METHOD OF PRODUCING A HEATMAP	PCT	PCT/NZ2009/000280 December 8, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
COMPONENT DATA VISUALIZATION METHOD	PCT	PCT/NZ2009/000277 December 4, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	PCT	PCT/NZ2010/000251 December 14, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED METHOD AND SYSTEM FOR CALCULATING BREAKPOINTS IN A DATA VISUALIZATION SYSTEM	PCT	PCT/NZ2010/000252 December 14, 2010	-	Pending	Business Intelligence Solutions Safe B. V.
A METHOD AND SYSTEM FOR OPTIMIZING THE ARRANGEMENT OF SPATIAL ELEMENTS	PCT	PCT/NZ2011/000138 July 18, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
DATA VISUALISATION RENDERING SYSTEM AND METHOD	PCT	PCT/NZ2012/000044 March 23, 2012	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED DATA VISUALIZATION CONFIGURATION SYSTEM AND METHOD	PCT	PCT/NZ2012/000045 March 23, 2012	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED SYSTEM AND METHOD FOR ANALYSING DATA FROM MULTIPLE PERSPECTIVES	PCT	PCT/NZ2012/000144 July 7, 2012	-	Pending	Business Intelligence Solutions Safe B. V.
MARKETING TOOL	PCT	PCT/NZ2009/000077 May 12, 2009	-	Pending	Business Intelligence Solutions Safe B. V.
A SYSTEM, METHOD, AND COMPUTER IMPLEMENTATION OF DATA OBFUSCATION FOR SECRET DATABASES	USA	61/052,613 -	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	USA	61/074,347 -	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR	USA	61/101,670	-	Pending	Business Intelligence Solutions Safe B. V.

[Schedule A to Patent Assignment]

Patent	Jurisdiction	Application Number/ Filing Date	Patent Number/ Issue Date	Status	Owner
DATA VISUALISATION AND RELATED APPLICATIONS		-			
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	USA	61/093,428	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	USA	61/107,665	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	USA	61/101,672	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	61/118,211	-	Pending	Business Intelligence Solutions Safe B. V.
A METHOD OF GRAPHICALLY REPRESENTING A TREE STRUCTURE	USA	61/140,556	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	61/120,194	-	Pending	Business Intelligence Solutions Safe B. V.
DATA VISUALIZATION METHOD	USA	61/115,038	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED METHOD OF PRODUCING A HEATMAP	USA	61/115,037	-	Pending	Business Intelligence Solutions Safe B. V.
A METHOD OF OPTIMIZING A TREE STRUCTURE FOR GRAPHICAL REPRESENTATION	USA	61/115,036	-	Pending	Business Intelligence Solutions Safe B. V.
COMPONENT DATA VISUALIZATION METHOD	USA	61/138,486	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR	USA	61/145,775	-	Pending	Business Intelligence

[Schedule A to Patent Assignment]

Patent	Jurisdiction	Application Number/ Filing Date	Patent Number/ Issue Date	Status	Owner
DATA VISUALIZATION AND RELATED APPLICATIONS		-			Solutions Safe B. V.
A METHOD OF IDENTIFYING AND VISUALLY REPRESENTING ADJUSTABLE DATA	USA	61/146,430	-	Pending	Business Intelligence Solutions Safe B. V.
A DIMENSION REDUCING GRAPHICAL REPRESENTATION METHOD	USA	61/146,525	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	61/146,133	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	61/161,472	-	Pending	Business Intelligence Solutions Safe B. V.
SPATIAL INTERACTIONS ASSOCIATION RULES MINING	USA	61/156,700	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED METHOD AND SYSTEM FOR CALCULATING BREAKPOINTS IN A DATA VISUALIZATION SYSTEM	USA	61/286,030	-	Pending	Business Intelligence Solutions Safe B. V.
A METHOD AND SYSTEM FOR OPTIMIZING THE ARRANGEMENT OF SPATIAL ELEMENTS	USA	61/286,029	-	Pending	Business Intelligence Solutions Safe B. V.
ALPHA VALUE DATA POINTS	USA	61/365,609	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED DATA VISUALIZATION CONFIGURATION SYSTEM AND METHOD	USA	61/466,805	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED SYSTEM AND METHOD FOR ANALYSING DATA FROM MULTIPLE PERSPECTIVES	USA	61/467,260	-	Pending	Business Intelligence Solutions Safe B. V.
MARKETING TOOL	USA	61/524,528	-	Pending	Business Intelligence Solutions Safe B. V.

[Schedule A to Patent Assignment]

Patent	Jurisdiction	Application Number/ Filing Date	Patent Number/ Issue Date	Status	Owner
		-			
A METHOD AND SYSTEM FOR ZOOM ANIMATION	USA	61/643,661 -	-	Pending	Business Intelligence Solutions Safe B. V.
DATA VISUALIZATION SYSTEM AND METHOD	USA	61/682,498 -	-	Pending	Business Intelligence Solutions Safe B. V.
A GAMING INTELLIGENCE SYSTEM AND METHOD	USA	61/707,433 -	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	USA	13/000,320 March 23, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALISATION AND RELATED APPLICATIONS	USA	13/000,274 March 29, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
DATA VISUALIZATION METHOD	USA	13/129,244 December 5, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
COMPONENT DATA VISUALIZATION METHOD	USA	13/140,168 January 18, 2012	-	Pending	Business Intelligence Solutions Safe B. V.
AN IMPROVED METHOD AND SYSTEM FOR CALCULATING BREAKPOINTS IN A DATA VISUALIZATION SYSTEM	USA	13/516,127 -	-	Pending	Business Intelligence Solutions Safe B. V.
A METHOD AND SYSTEM FOR OPTIMIZING THE ARRANGEMENT OF SPATIAL ELEMENTS	USA	13/516,136 -	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	13/132,801 November 17, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR	USA	13/061,668	-	Pending	Business Intelligence Solutions Safe B. V.

[Schedule A to Patent Assignment]

Patent	Jurisdiction	Application Number/ Filing Date	Patent Number/ Issue Date	Status	Owner
DETERMINING AN ADJUSTMENT VALUE OF A GAMING DEVICE		August 19, 2011			
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	13/000,323 July 12, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
METHOD OF GRAPHICALLY REPRESENTING A TREE STRUCTURE	USA	13/000,315 March 29, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
DATA OBFUSCATION SYSTEM, METHOD, AND COMPUTER IMPLEMENTATION OF DATA OBFUSCATION FOR SECRET DATABASES	USA	12/992,513 March 30, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
SYSTEM AND METHOD OF IDENTIFYING AND VISUALLY REPRESENTING ADJUSTABLE DATA	USA	13/000,308 March 24, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
METHODS, APPARATUS AND SYSTEMS FOR DATA VISUALIZATION AND RELATED APPLICATIONS	USA	13/000,267 March 30, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
DATA VISUALIZATION METHODS	USA	12/866,842 March 3, 2011	-	Pending	Business Intelligence Solutions Safe B. V.
METHOD AND SYSTEM OF GRAPHICALLY REPRESENTING DISCRETE DATA AS A CONTINUOUS SURFACE	USA	12/866,838 March 3, 2011	-	Pending	Business Intelligence Solutions Safe B. V.

[Schedule A to Patent Assignment]