

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM455124

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Supplemental Patent and Trademark Security Agreement		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
BENTLEY SYSTEMS INCORPORATED		12/19/2017	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	PNC BANK, NATIONAL ASSOCIATION		
Street Address:	1600 Market Street		
City:	Philadelphia		
State/Country:	PENNSYLVANIA		
Postal Code:	19103		
Entity Type:	Bank: UNITED STATES		
PROPERTY NUMBERS Total: 5			
Property Type	Number	Word Mark	
Serial Number:	86579373	MAXSURF	
Serial Number:	87004992	OPENBRIDGE MODELER	
Serial Number:	85866302	AMULET PREDICTIVE ANALYTICS	
Serial Number:	85872848	C3 GLOBAL	
Serial Number:	85866379	CONTEXT, CLARITY & CONFIDENCE	
CORRESPONDENCE DATA			
Fax Number:	2158648999		
<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>			
Phone:	215.864.8352		
Email:	shorem@ballardspahr.com		
Correspondent Name:	Michael S. Shore		
Address Line 1:	Ballard Spahr LLP		
Address Line 2:	1735 Market Street, 51st Floor		
Address Line 4:	Philadelphia, PENNSYLVANIA 19103-7599		
NAME OF SUBMITTER:	Michael S. Shore		
SIGNATURE:	/Michael S. Shore/		
DATE SIGNED:	12/19/2017		
Total Attachments: 23			

CH \$140.00 86579373

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**SUPPLEMENTAL PATENT AND TRADEMARK
SECURITY AGREEMENT**

THIS SUPPLEMENTAL PATENT AND TRADEMARK SECURITY AGREEMENT (as amended, restated, supplemented or otherwise modified from time to time, this "Agreement"), dated as of December 19, 2017, is entered into by and between BENTLEY SYSTEMS INCORPORATED, a Delaware corporation (the "Borrower"), the Subsidiary Loan Parties listed on the signature pages hereto (collectively and together with the Borrower, the "Grantors" and each a "Grantor") and PNC BANK, NATIONAL ASSOCIATION, as Administrative Agent for the Lenders referred to below (in such capacity, the "Administrative Agent").

WHEREAS, pursuant to that certain (a) Credit Agreement (as amended, restated, modified or supplemented from time to time, the "Original Credit Agreement"), dated as of February 2, 2012, by and among the Borrower, the lenders party thereto (the "Original Lenders") and the Administrative Agent and (b) Guarantee and Collateral Agreement dated as of February 2, 2012 (as amended, restated, modified or supplemented from time to time, the "Collateral Agreement"), the Original Lenders provided certain loans to the Borrower, and the Grantors agreed, among other things, to grant a security interest to the Administrative Agent in certain patents, trademarks, copyrights and other property as security for such loans and other obligations;

WHEREAS, concurrently herewith, the Original Credit Agreement is being amended and restated in its entirety by that certain Amended and Restated Credit Agreement, dated as of the date hereof (as the same may be amended, restated, modified or supplemented from time to time, the "Credit Agreement"), among the Borrower, the Administrative Agent and the lenders party thereto (the "Lenders"); and

WHEREAS, pursuant to the Credit Agreement and the Collateral Agreement, the Grantors are executing and delivering this Agreement as a supplement to that certain Patent and Trademark Security Agreement, dated as of February 2, 2012, between the Grantors and the Administrative Agent (the "Existing Patent and Trademark Security Agreement") as a result of additional intellectual property acquired after February 2, 2012 or not otherwise specifically scheduled in the Existing Patent and Trademark Security Agreement.

NOW, THEREFORE, intending to be legally bound hereby, the parties hereto agree as follows:

1. Defined Terms. Except as otherwise expressly provided herein, (i) capitalized terms used in this Agreement shall have the respective meanings assigned to them in the Credit Agreement or Collateral Agreement, as applicable and (ii) the rules of construction set forth in Section 1.03 [Construction] of the Credit Agreement shall apply to this Agreement.

2. To secure the full payment and performance of all Secured Obligations, each Grantor pursuant to the Collateral Agreement did, and hereby does, grant to the Administrative Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in all right, title and interest in, to and under any and all of the following assets and properties now owned or at any time hereafter acquired by such Grantor or in, to or under which such Grantor now has or at any time hereafter may acquire any right, title or interest (collectively, the "Patent and Trademark Collateral"):

(i) all letters patent of the United States of America or the equivalent thereof in any other country or with any multinational body, all registrations and recordings thereof, and all applications for letters patent of the United States of America or the equivalent thereof in any other country or with any multinational body, including registrations, recordings and pending applications in the United States Patent and Trademark Office or any similar office in any other country or with any multinational body, including those listed on Schedule I;

(ii) all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein;

(iii) all trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, other source or business identifiers, designs and general intangibles of like nature, all registrations and recordings thereof, and all applications filed in connection therewith, including registrations and applications in the United States Patent and Trademark Office or any similar offices in any State of the United States of America or any other country or with any multinational body, and all extensions or renewals thereof, including those listed on Schedule II;

(iv) all goodwill associated therewith or symbolized thereby;

(v) all other assets, rights and interests that uniquely reflect or embody such goodwill; and

(vi) the right to sue or otherwise recover for any past, present and future infringement, dilution, misappropriation or other violations or impairment of any of the foregoing, including the right to receive all proceeds therefrom, including without limitation license fees, royalties, income, payments, claims, damages and proceeds of suit, now or hereafter due and/or payable with respect thereto, and all other rights of any kind accruing thereunder or pertaining thereto throughout the world

3. Collateral Agreement; Existing Patent and Trademark Security Agreement.

(a) The security interests granted to the Administrative Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Administrative Agent pursuant to the Collateral Agreement. Each Grantor hereby acknowledges

and affirms that the rights and remedies of the Administrative Agent with respect to this Patent and Trademark Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Collateral Agreement, the terms of the Collateral Agreement shall govern.

(b) This Agreement is in addition to the Existing Patent and Trademark Security Agreement and does not replace the Existing Patent and Trademark Security Agreement, which remains in full force and effect.

4. Counterparts. This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or other electronic imaging shall be effective as delivery of a manually executed counterpart of this Agreement.

[SIGNATURE PAGE FOLLOWS]

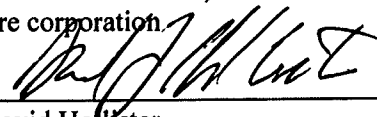
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective officers or agents thereunto duly authorized, as of the date first above written.

GRANTORS:

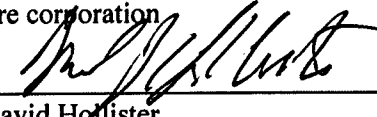
BENTLEY SYSTEMS INCORPORATED,
a Delaware corporation

By: 
Name: David Hollister
Title: Chief Financial Officer

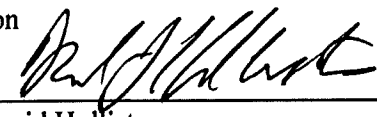
BENTLEY SOFTWARE, INC.
a Delaware corporation

By: 
Name: David Hollister
Title: Vice President and Treasurer

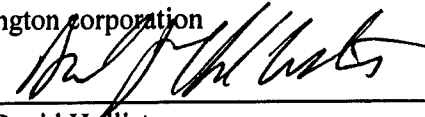
BENTLEY SYSTEMS INTERNATIONAL HOLDINGS, INC.
a Delaware corporation

By: 
Name: David Hollister
Title: Vice President and Treasurer

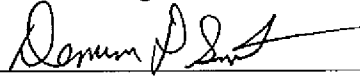
REAL WORLD CAPTURE, INC., a Delaware corporation

By: 
Name: David Hollister
Title: Vice President and Treasurer

E-BID SYSTEMS, INC.,
a Washington corporation

By: 
Name: David Hollister
Title: President

PNC BANK, NATIONAL ASSOCIATION,
as Administrative Agent

By: 
Name: *Domenic D'Gintio*
Title: *Senior Vice President*

SCHEDULE I

Patents

See attached.

PATENTS

U.S. Patents Issued

PATENT	OWNER	INVENTORS	STATUS	DATE OF PATENT GRANT	EXPIRATION	PATENT NUMBER	PATENT FILE NUMBER
Dynamic Selection of Update Methods	Bentley Systems, Incorporated	Jeffrey Brown	Issued	4/3/2012	20 years and 1057 days from 3.12.08	8,150,659 B2	Bentley File No. BSI-57
Efficient Method for Pressure Dependent Water Distribution Analysis (C.I.P.)	Bentley Systems, Incorporated	Zheng Wu; Thomas Walski; Rong He Wang; Daniel Bowdler	Issued	5/8/2012	20 years from 12/1/2006	8,175,859	BSI-54
System and Method for Modeling and Simulating Water Distribution and Collection Systems Including Variable Speed Pumps	Bentley Systems, Incorporated	Zheng Wu; Michael Tryby; Ezio Todini; Thomas M. Walski	Issued	9/11/2012	20 years from 8/29/12	8,265,911	BSI-56
Software Building Orchestration Framework	Bentley Systems, Incorporated	Keith A. Bentley; Eric C. Wyler; Ezra W. Smith; Charles F. Kirschman	Issued	2/19/2013	20 years from 6/10/10	8,381,176	BSI-64
Augmented Reality Dynamic Plots	Bentley Systems, Incorporated	Alton B. Cleveland, Jr.; Mark Smith; Stephane Cote	Issued	3/26/2013	20 years from 9/10/09	8,405,871	BSI-65
System and Method for Identifying and Highlighting Graphic Element	Bentley Systems, Incorporated	Alton B. Cleveland, Jr.; Mark Smith	Issued	5/7/2013	20 years from 9/10/10	8,438,199	BSI-66
System for Providing Collaborative Communications Environment for Manufacturers and Potential Customers	Bentley Systems, Incorporated	Jack S. Cook, Jr.; Diego Alexander Diaz Pabon; Benjamin John Ewing	Issued	6/25/2013	20 years from 5/23/05	8,473,470	BSI-12
Indoor Localization Based on Ultrasound Sensors	Bentley Systems, Incorporated	Stephane Cote	Issued	8/6/2013	20 years from May 5, 2011	8,504,292	BSI-74

TRADEMARK
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PATENTS

PATENT	OWNER	INVENTORS	STATUS	DATE OF PATENT GRANT	EXPIRATION	PATENT NUMBER	BENTLEY FILE NUMBER
System and Method for Browsing a Large Document on a Portable Electronic Device	Bentley Systems, Incorporated	Stephane Cote	Issued	9/10/2013	20 years from 8/5/2009	8,531,571	BSI-60
Pressure Dependent Demand Optimization for Leakage Detection in Water Distribution	Bentley Systems, Incorporated	Zheng Yi Wu; Paul Sage; Thomas Walski; Wayne Hartel; Kris Cullin	Issued	1/21/2014	20 years from 8/28/2009	8,535,051	BSI-59
Computer Modeling Software for Analysis of the Criticality Elements in a Water Distribution System	Bentley Systems, Incorporated	Thomas Walski; Robert Manikowski; Shaoyu Yang; Jack S. Cook, Jr.; Ronghe Wang; Daniel Bishop; Daniel Bowdler; Zheng Yi Wu; Robert Gurneri	Issued	1/28/2014	20 years from 12/1/2006	8,539,483	BSI-51
Auto-Transpose Replication	Bentley Systems, Incorporated	Jeffrey Brown	Issued	4/15/2014	20 years and 721 days from 3/17/2010	8,700,361 B2	BSI-68
Efficient 3D Range Unions in SQL	Bentley Systems, Incorporated	Keith Bentley, Raymond Bentley	Issued	6/10/2014	20 years from 8/29/2012	8,751,526	BSI-77
Specifications Automation System and Method (TEEC)	Bentley Systems, Incorporated	Leon J Gorbaty	Issued	9/30/2014	20 years from 3/18/2010	8,849,873	BSITEC-1
Analytical Interface Model for Interfacing with Energy Analysis, Facilities Management or Other Analysis Applications	Bentley Systems, Incorporated	Matthias Schneider, John Crosby	Issued	12/16/2014	20 years from 01/21/09	8,914,256	BSI-63
A System and Method for Simplifying a Graph's Topology and Preserving the Graph's Semantics	Bentley Systems, Incorporated	Hong Gao; Xun Zhou	Issued	1/13/2015	20 years from 6/4/10	8,935,129	BSI-69
Technique for Enhancing Perception of 3D Structure in Point Clouds Displayed on a Computer Monitor	Bentley Systems, Incorporated	Stephane Cote; Renaud Gervais (intern)	Issued	2/24/2015	20 years from 11/2/11	8,963,921	BSI-75

TRADEMARK

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PATENTS

PATENT	OWNER	INVENTORS	STATUS	DATE OF PATENT GRANT	EXPIRATION	PATENT NUMBER	BENTLEY FILE NUMBER
Efficiently Finding Spatially Sorted Best Entities (3D range-sorted entity loading in SQL)	Bentley Systems, Incorporated	Keith Bentley, Raymond Bentley	Issued	2/24/2015	20 years from 9/14/11	8,965,900	Bentley File No. 81-78
COMPUTER-IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Issued	9/4/2012		8,260,585	Blueridge 308/1B
COMPUTER-IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Issued	7/23/2013		8,494,816	
COMPUTER-IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Issued	11/27/2012		8,321,181	Blueridge 308/7
COMPUTER-IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Issued	2/18/2014		8,655,629	
Specifications Automation System and Method (TEEC)	Bentley Systems, Incorporated	Leon J Gorbaty	Issued	9/29/2015	20 years from 3/29/15	9,146,913	BSITTEC-2
Integrated Assemblage of 3D Building Models and 2D Construction Drawings	Bentley Systems, Incorporated	Rob Snyder, John Frampton, Sunand Sandurkar, Raymond Bentley	Issued	11/3/2015	20 years from 1/5/2010	9,177,085	BSI-94
A 2 Dimensionally Controlled Intuitive Tool for Point Cloud Exploration and Modeling (A 2D intuitive tool for point cloud exploration and modeling)	Bentley Systems, Incorporated	(Stephane Cote, Renaud Gervais (Intern-no long with Bentley), Yves Boivin)	Issued	9/29/2015	20 years from 11/2/2011	9,147,282	BSI-79
Point cloud modeling based on user-provided seed	Bentley Systems, Incorporated	Stephane Cote	Issued	11/17/2015	20 years from 1/14/2013	9,189,888	BSI-81

TRADEMARK

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PATENTS

PATENT	OWNER	INVENTORS	STATUS	DATE OF PATENT GRANT	EXPIRATION	PATENT NUMBER	BENTLEY FILE NUMBER
Techniques for Updating Design File Lighting Values	Bentley Systems, Incorporated	Paul Chater; Jerry Flynn	Issued	3/29/2016	20 years from 3/8/2013	9,299,189	BS183
Multi-Dimensional Artifact Assemblage for Infrastructure and Other Assets with Interface Node Mediators	Bentley Systems, Incorporated	Rob Snyder; John Frampton; Sunand Sandurkar; Raymond Bentley	Issued	7/5/2016	20 years from 1/5/2010	9,384,308	BS167
Semi-Automatic Polyline Extraction from Point Cloud	Bentley Systems, Incorporated	Mathieu St-Pierre	Issued	8/2/2016	20 years from 9/17/13	9,406,138	BS190
View Dependent Query of Multi-resolution Clustered 3D Data Set	Bentley Systems, Incorporated	Mathieu St-Pierre	Issued	9/27/2016	20 years from 12/16/10	9,454,554	BS171
Social Computer-Aided Engineering Design Projects	Bentley Systems, Incorporated	Igor Kaptsan	Issued	9/27/2016	20 years from 12/16/10	9,454,623	BS170
Hypermodel-based panorama augmentation	Bentley Systems, Incorporated	Stephane Cote; Rob Snyder	Issued	10/4/2016	20 years from 3/15/2013	9,460,561	BS185
Configurable Multidimensional Placement Dashboard	Bentley Systems, Incorporated	David L. Fox-Rabinovitz; Alexander Lukyanov	Issued	11/29/2016	20 years from 6/12/13	9,507,502	BS187
Third Person View Augmented Reality	Bentley Systems, Incorporated	Stephane Cote	Issued	1/3/2017	20 years from 2/3/2014	9,536,351	BS193
Panoramic Video Augmented Reality	Bentley Systems, Incorporated	Stephane Cote; Mark Antoine Deshiers	Issued	5/9/2017	20 years from 6/4/13	9,646,571	BS186

TRADEMARK

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PATENTS

PATENT	OWNER	INVENTORS	STATUS	DATE OF PATENT GRANT	EXPIRATION	PATENT NUMBER	BENTLEY FILE NUMBER
Virtual Mouse for a Touch Screen Device	Bentley Systems, Incorporated	Daniel V. East; Mark E. Dane	Issued	6/13/2017	20 years from 7/27/14	9,678,639	Bentley File No. 911
Use of variable soil bearing capacity for foundation design	Bentley Systems, Incorporated	Apurba Tribeedi	Issued	6/13/2017	20 years from 2/15/13	9,679,088	BS182
3-D Models as a Navigable Container for 2-D Raster Images (CAD model as expendable and navigable container of photographs...)	Bentley Systems, Incorporated	Ujwal Suryakant Rane	Issued	6/27/2017	20 years from 6/18/13	9,691,175	BS188
COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR LAND SITE OPTIMIZATION WITH GIS INTEGRATION	Bentley Systems, Incorporated (acquired from Blueridge Analytics)	Ron Breukelaar; Michael Detwiler	Issued	8/1/2017	20 years from	9,721,043	308/14US (BR14)
Visualization of 3-D GPR Data in Augmented Reality	Bentley Systems, Incorporated	Stephane Cote	Issued	7/25/2017	20 years from 3/20/13	9,715,008	BS184
Dynamic and selective model clipping for enhanced augmented hypermodel visualization "Hyperception"	Bentley Systems, Incorporated	Stéphane Côté, Renaud Gervais (Intern), Robert Snyder	Issued	9/12/2017	20 years from 3/15/13	9,761,045	BS189
A METHOD FOR ACCELERATING MONTE CARLO RENDERERS	Bentley Systems, Incorporated (acquired from EON)	Julien CHAUVIER, Mauricio DELBRACIO, Nicholas Phelps	Issued	11/10/2015		9183671 B2	EON 4 B US
AUGMENTATION OF A DYNAMIC TERRAIN SURFACE	Bentley Systems, Incorporated	Stephane Cote; Ian Letourneau; Jade Marcoux-Quellert	Issued	11/21/2017	20 years from 6/8/2015	9,824,490	BS199

TRADEMARK

REEL: 006232 FRAME: 0277

PATENTS

US Patents
Pending

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BSI-80	Technique to Dynamically Enhance the Visualization of 3-D Point Clouds	Bentley Systems, Incorporated	Benoit Fredericque	Pending	9/28/2012	13/631,097
BSI-92	Storing Modeling Alternatives with Unitized Data	Bentley Systems, Incorporated	Diego A. Diaz Pabon	Pending	1/29/2014	14/167,645
BSI-96	Named Intelligent Connectors for Creating Assemblies of Computer Aided Design (CAD) Objects	Bentley Systems, Incorporated	David Fox-Raninovitz	Pending	8/30/2014	14/547,350
BSI-97	Optimizing Sensor Placement for Structural Health	Bentley Systems, Incorporated	Zheng Yi Wu, Xiaohua Yi	Pending	8/31/2014	14/563,668

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REEL: 006232 FRAME: 0278

PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BSI-98	Optimizing water quality sensor placement of water distribution	Bentley Systems, Incorporated/1/2015	Zheng Wu, Ehsan Roshani-Intern	Pending	9/1/2014	14/726,189
BSI-100	Model Based Damage Detection Technique for a Structural System	Bentley Systems, Incorporated	Zheng Wu, Guoqing Xu	Pending	9/3/2014	14/742,330
BSI101	FIXED CURSOR INPUT INTERFACE FOR A COMPUTER AIDED DESIGN APPLICATION EXECUTING ON A TOUCH SCREEN DEVICE	Bentley Systems, Incorporated	Hale, Matthew	Pending	8/17/2015	14/828,100
BSI102	TECHNIQUES FOR APPLICATION UNDO AND REDO USING SQL PATCHSETS OR CHANGESETS	Bentley Systems, Incorporated	Keith Bentley	Pending	10/30/2015	14/928,614
BSI103	HIGH ACCURACY INDOOR TRACKING (Accurate building-wide indoor tracking)	Bentley Systems, Incorporated	Stephane Cote, Francois Rheault (Intern-not with Bentley anymore)	Pending	12/8/2015	14/962,725

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PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BS1104	A TOOL FOR ACCURATE ONSITE MODEL VISUALIZATION THAT FACILITATES ENVIRONMENT INTERACTION	Bentley Systems, Incorporated	Stephane Cote, Antoine Girard-Vallee (Intern-no longer with Bentley)	Pending	4/6/2016	15/091,796
BS1105	3-D SCREEN MENUS	Bentley Systems, Incorporated	Barry Bentley (LEAD), Brien Bastings, Gino Cortesi	Pending	4/5/2016	15/091,266
BS1106	TECHNIQUES FOR CONVERSION OF CAD DESCRIPTIONS (DgnDb06 Level Conversion)	Bentley Systems, Incorporated	Keith Bentley, Sam Wilson	Pending	3/25/2016	15/080,858
BS1107	INCREMENTAL DATA CONVERSION USING A SYNCHRONIZATION INFORMATION RECORD (Synclnfo)	Bentley Systems, Incorporated	Samuel W. Wilson	Pending	3/25/2016	15/080,888
BS1108	OPTIMIZING SENSOR PLACEMENT FOR STRUCTURAL HEALTH MONITORING BASED ON INFORMATION ENTROPY OR TOTAL MODAL ENERGY	Bentley Systems, Incorporated	Zheng Wu, Dapeng Zhu (Intern-no longer with Bentley))	Pending	6/20/2016	15/187,268

TRADEMARK

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PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BSI109	SOFTWARE SYSTEM FOR DYNAMIC FEATURE EXTRACTION FOR STRUCTURAL HEALTH MONITORING	Bentley Systems, Incorporated	Zheng Yi Wu, et al.	Pending	6/30/2016	15/199,495
BSI110	MULTI-RESOLUTION TILED 2.5D DELAUNAY TRIANGULATION STITCHING	Bentley Systems, Incorporated	Elenie Godzaridis, Mathieu St-Pierre	Pending	8/9/2016	15/232,446
BSI111	A TECHNIQUE FOR COMPACT AND ACCURATE ENCODING TRIM GEOMETRY FOR APPLICATION IN A GRAPHICAL PROCESSING UNIT (Tiled Clip Set)	Bentley Systems, Incorporated	George R Smith-LEAD, Earlin Lutz, David Stradley, Mark Schlosser	Pending	8/23/2016	15/244,811
BSI112	TECHNIQUES FOR SUPPRESSING UNWANTED CLASHES	Bentley Systems, Incorporated	Ramanujam Raman, Collin Kerr	Pending	9/1/2016	15/254,718
BSI113	HYBRID MESH FROM 2.5D AND 3D POINT DATA	Bentley Systems, Incorporated	Elenie Godzaridis, Mathieu St-Pierre	Pending	10/13/2016	15/293,105

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PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BS1114	HORIZONTAL AND VERTICAL GEOMETRY MANIPULATORS (3D Conveyor Manipulation)	Bentley Systems, Incorporated	Vincent Unrau, Vern Francisco	Pending	3/6/2017	15/450,819
BS1115	On-Site Visualization and Modeling using P&ID Drawings and Augmented Reality (Tool for On Site Pipe Modeling Using Augmented Reality)	Bentley Systems, Incorporated	Stephane Cote, Vincent Hamel	Pending	4/11/2017	15/485,207
BS1116	NON-DESTRUCTIVE MULTI-RESOLUTION SURFACE CLIPPING	Bentley Systems, Incorporated	Elentie Godzaridis, Mathieu St-Pierre	Pending	8/4/2017	15/669,593
BS1117	Large Scale Highly Detailed Model Review Using Augmented Reality	Bentley Systems, Incorporated	Mathieu St-Pierre, Marc-Andre Bouvrette	Pending	8/31/2017	15/693,150
BS1118	TECHNIQUES FOR MANAGING SHARED GEOMETRY (Technique for using SQL foreign key relationship table to manage shared geometry)	Bentley Systems, Incorporated	R. Brian Bastings	Pending	8/31/2017	62/552,719

TRADEMARK

REEL: 006232 FRAME: 0282

PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BS1119	A TOOL FOR ONSITE AUGMENTATION OF PAST EVENTS	Bentley Systems, Incorporated	Stephane Cote	Pending	9/11/2017	15/700,726
BS1120	Infrastructure design using 3D reality data	Bentley Systems, Incorporated	Elenie Godzaridis, Mathieu St-Pierre	Pending	9/8/2017	15/699,266
BS1121	AN INTELLIGENT MODEL HIERARCHY FOR INFRASTRUCTURE MODELING	Bentley Systems, Incorporated	Keith Bentley; Casey Mullen; Shaun Sewall	Pending	9/11/2017	15/700,450
BS1122	TECHNIQUES FOR COORDINATING CODES FOR INFRASTRUCTURE MODELING	Bentley Systems, Incorporated	Keith Bentley, Casey Mullen, Paul Connelly	Pending	9/11/2017	15/700,506
BS1123	A TOOL FOR ONSITE AUGMENTATION OF REALITY MESHES	Bentley Systems, Incorporated	Stephane Cote	Pending	9/19/2017	15/709,115

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REEL: 006232 FRAME: 0283

PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BS1124	TECHNIQUES FOR ALIGNMENT OF SOURCE INFRASTRUCTURE DATA WITH A BIS CONCEPTUAL SCHEMA	Bentley Systems, Incorporated	Keith Bentley, Casey Mullen, Sam Wilson	Pending	10/10/2017	PROVISIONAL 62/570,282
BS1125	TECHNIQUES FOR IMPROVING PERCEPTION OF SUBSURFACE FEATURES ON A TERRAIN SURFACE IN AUGMENTED REALITY	Bentley Systems, Incorporated	Stephane Cote; Jade Marcoux-Quellier, Intern no longer with Bentley)	Pending	11/1/2017	PROVISIONAL 62/580,369
BS1126	QUALITY CONTROL ISOMETRIC FOR INSPECTION OF FIELD WELDS AND FLANGE BOLT-UP CONNECTIONS	Bentley Systems, Incorporated	Graham Lee; Gary Orton; Jonathan Cunningham; Ryan Posnikoff; Dean Bowman	Pending	11/16/2017	Provisional 62/587,449
BR11	COMPUTER-IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Pending	9/5/2014	13/948,608
BR13	COMPUTER-IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Pending	2/18/2014	14/182,966

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REEL: 006232 FRAME: 0284

PATENTS

FILE NO.	PATENT	OWNER	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BR16	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR LAND SITE OPTIMIZATION WITH GIS INTEGRATION	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Pending	8/2/2017	15/666,022

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REEL: 006232 FRAME: 0285

PATENTS

**International
Patents
Pending**

FILE NO.	PATENT	OWNERS	INVENTORS	STATUS	FILING DATE	SERIAL NUMBER
BSIF-22	Method and System for Storing Large Data Files	Bentley Systems, Incorporated	Keith Bentley	pending (based on US apps 09/929,277 & 09/929,278 filed on 8/15/01) EU App 02757100.9	1/18/2013	EU Divisional App. No. 13151879.7
BSIF-23	Efficiently Finding Spatially Scored Best Entities (3D range-sorted entity loading in SQL)	Bentley Systems, Incorporated	Keith Bentley, Raymond Bentley	Pending based on USPTO 13/619,102 (filed 9/14/2012)	4/11/2013	PCT/US2013/036095; EP Application No. 13719196.1
BSIF-24	3-D Models as a Navigable Container for 2-D Raster Images	Bentley Systems, Incorporated	Ujwal Suryakant Rane	Pending	4/30/2013	India 1927/CHE/2013
BSIF-25	Virtual Mouse for a Touch Screen Device	Bentley Systems, Incorporated	Daniel V. East; Mark E. Dane	Pending	9/29/2014	Serial No. 14 782 063.3 PCT
BSIF-26	Efficiently Finding Spatially Scored Best Entities (3D range-sorted entity loading in SQL)	Bentley Systems, Incorporated	Keith Bentley, Raymond Bentley	Pending	4/11/2013	BR 11 2014 031908 1 Brazil
BSIF-27	Efficiently Finding Spatially Scored Best Entities (3D range-sorted entity loading in SQL)	Bentley Systems, Incorporated	Keith Bentley, Raymond Bentley	Pending	4/11/2013	China 201380047822.9
BSIF-28	Virtual Mouse for a Touch Screen Device	Bentley Systems, Incorporated	Daniel V. East; Mark E. Dane	Pending	9/29/2014	China 201480074218.X

abandoned

abandoned

PATENTS

International Patents Issued

PATENT	OWNER	INVENTORS	STATUS	DATE OF PATENT GRANT	EXPIRATION	PATENT NUMBER	COUNTRY	TRADEMARK
Display Priority for 2D CAD Documents	Bentley Systems, Incorporated	Keith Bentley; Gino Cortesi; Richard Treitz	Issued	7/4/2012	1/11/2025	ZL20058008031.0	China	Bentley File No. BS18
Display Priority for 2D CAD Documents	Bentley Systems, Incorporated	Keith Bentley	Issued	12/7/2012	1/25/2025	HK1114232	Hong Kong	BS18
Display Priority for 2D CAD Documents	Bentley Systems, Incorporated	Keith Bentley; Gino Cortesi; Richard Treitz	Issued	11/29/2013	1/12/2015	258.072	India	BS18
COMPUTER IMPLEMENTED LAND PLANNING SYSTEM AND METHOD ...	Bentley Systems, Incorporated (acquired from Blueridge Analytics)		Issued	3/28/2012		ZL 200580032591.X	China	Blueridge 308/1
Multi Dimensional Artifact Assemblage for Infrastructure and other Assets with Interface Node Mediation	Bentley Systems, Incorporated	Rob Snyder; John Frampton; Sunand Sandurkar; Raymond Bentley	Issued	6/10/2015	20 years from 1/5/11	China Patent App. No. 201110006605.8	China	BSIF17
A METHOD OF SIMULATING LIGHTING AT A POINT OF A SYNTHESIZED IMAGE	Bentley Systems, Incorporated (acquired from E.ON)		Issued	8/16/2013		2 969 354	France	EON 18 FR
A METHOD OF ANALYZING AND/OR PROCESSING AN IMAGE	Bentley Systems, Incorporated (acquired from E.ON)		Issued	1/24/2014		2 971 602	France	EON 28 FR
PROCEDE D'ANALYSE DE DONNEES D'UNE IMAGE BIDIMENSIONNELLE	Bentley Systems, Incorporated (acquired from E.ON)		Issued	1/24/2014		2 971 604	France	EON 38 FR

SCHEDULE II

Trademarks

See attached.

**Bentley Systems, Incorporated
Trademark Status Report**

Mark	Country	Intl Class	Appl./Serial No.	File Date	Status	Reg. Date	Reg. No.
BENTLEY	AU	009	1307521	07/02/2009	REGISTERED	04/02/2012	1307521
BENTLEY	AU	016	1307521	07/02/2009	REGISTERED	04/02/2012	1307521
BENTLEY	AU	035	1307521	07/02/2009	REGISTERED	04/02/2012	1307521
BENTLEY	AU	041	1307521	07/02/2009	REGISTERED	04/02/2012	1307521
BENTLEY	AU	042	1307521	07/02/2009	REGISTERED	04/02/2012	1307521
BENTLEY	BR	016	830343032	07/03/2009	REGISTERED	05/02/2012	830343032
BENTLEY	BR	035	830343040	07/03/2009	REGISTERED	10/23/2012	830343040
BENTLEY	BR	041	830343059	07/03/2009	REGISTERED	05/02/2012	830343059
BENTLEY	BR	042	830343067	07/03/2009	REGISTERED	05/02/2012	830343067
BENTLEY	CN	042	6170043	07/17/2007	REGISTERED	03/14/2014	6170043
BENTLEY	CN	035	6170045	07/17/2007	REGISTERED	01/28/2014	6170045
BENTLEY	MX	009	1837555	01/04/2017	REGISTERED	05/17/2017	1754542
BENTLEY	SA	042	1438012466	03/05/2017	REGISTERED	05/12/2017	1438012466
MAXSURF	US	009	86/579,373	03/27/2015	REGISTERED	03/22/2016	4,921,632
AUTOPIPE	JP	009	2016-003,787	01/14/2016	REGISTERED	09/09/2016	5880256
AUTOPIPE	JP	042	2016-003,787	01/14/2016	REGISTERED	09/09/2016	5880256
OPENBRIDGE MODELER	US	009	87/004,992	04/18/2016	REGISTERED	05/02/2017	5,197,111
OPENBRIDGE MODELER	US	042	87/004,992	04/18/2016	REGISTERED	05/02/2017	5,197,111
AMULET PREDICTIVE ANALYTICS	US	009	85/866,302	03/04/2013	REGISTERED	06/30/2015	4,762,689
AMULET PREDICTIVE ANALYTICS	GB	009	2633807	09/06/2012	REGISTERED	12/28/2012	2633807
AMULET PREDICTIVE ANALYTICS	GB	035	2633807	09/06/2012	REGISTERED	12/28/2012	2633807
AMULET PREDICTIVE ANALYTICS	GB	041	2633807	09/06/2012	REGISTERED	12/28/2012	2633807
AMULET PREDICTIVE ANALYTICS	GB	042	2633807	09/06/2012	REGISTERED	12/28/2012	2633807
C3 GLOBAL & Des.	US	009	85/872,848	03/11/2013	REGISTERED	10/11/2016	5,057,001
CONTEXT, CLARITY AND CONFIDENCE & Des.	US	009	85/866,379	03/04/2013	REGISTERED	06/30/2015	4,762,690
CONTEXT, CLARITY & CONFIDENCE & Des.	GB	009	2633936	09/06/2012	REGISTERED	01/11/2013	2633936
CONTEXT, CLARITY & CONFIDENCE & Des.	GB	035	2633936	09/06/2012	REGISTERED	01/11/2013	2633936
CONTEXT, CLARITY & CONFIDENCE & Des.	GB	041	2633936	09/06/2012	REGISTERED	01/11/2013	2633936
CONTEXT, CLARITY & CONFIDENCE & Des.	GB	042	2633936	09/06/2012	REGISTERED	01/11/2013	2633936
AMULET PRESCRIPTIVE ANALYTICS	GB	009	2655431	03/07/2013	REGISTERED	06/28/2013	2655431

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REEL: 006232 FRAME: 0289

RECORDED: 12/19/2017