04/12/2021 506603971

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6650776

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL JAMES BRICK	12/04/2020
SAMUEL MINTON	12/14/2020
CHRISTOPHER NEIL PICKARD	04/07/2021
PHILLIP HUNT	02/25/2021
BENJAMIN KLEIN	12/03/2020
FRANCIS SHOWRY POLISETTY	12/10/2020

RECEIVING PARTY DATA

Name:	BNSF RAILWAY COMPANY
Street Address:	2500 LOU MENK DRIVE
City:	FORT WORTH
State/Country:	TEXAS
Postal Code:	76131

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17301659

CORRESPONDENCE DATA

Fax Number: (817)878-0501

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.

Phone: 8178780500

eofficeaction@appcoll.com, kpruitt@whitakerchalk.com Email: WHITAKER CHALK SWINDLE & SCHWARTZ PLLC **Correspondent Name:**

301 COMMERCE STREET Address Line 1:

Address Line 2: **SUITE 3500**

Address Line 4: FORT WORTH, TEXAS 76102-4186

ATTORNEY DOCKET NUMBER:	BNSF-00073; 28859.00010
NAME OF SUBMITTER:	ENRIQUE SANCHEZ, JR.
SIGNATURE:	/Enrique Sanchez, Jr./
DATE SIGNED:	04/12/2021

PATENT REEL: 055888 FRAME: 0805 506603971

Total Attachments: 12 source=BNSF00073_AssignComb#page1.tif source=BNSF00073_AssignComb#page2.tif source=BNSF00073_AssignComb#page3.tif source=BNSF00073_AssignComb#page4.tif source=BNSF00073_AssignComb#page5.tif source=BNSF00073_AssignComb#page6.tif source=BNSF00073_AssignComb#page7.tif source=BNSF00073_AssignComb#page8.tif source=BNSF00073_AssignComb#page9.tif source=BNSF00073_AssignComb#page10.tif source=BNSF00073_AssignComb#page11.tif source=BNSF00073_AssignComb#page11.tif

PATENT REEL: 055888 FRAME: 0806

WHEREAS, I, **Michael James Brick**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: System and Method for Strategic Track and Maintenance Planning

Inspection

U.S. Application No.: 17/301,659

Filing Date: April 9, 2021

WHEREAS, **BNSF Railway Company** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Texas 76131, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

PATENT ASSIGNMENT – BNSF-00073

IN Dece	TESTIMONY	WHEREOF, I	hereunto	set n	ny hand	this	4	day	oi
Inv	entor Signature:	als	Q	and the same					

Michael James Brick 445 Marble Creek Dr. Fort Worth, TX 76131

REEL: 055888 FRAME: 0808

WHEREAS, I, **Samuel Minton**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: System and Method for Strategic Track and Maintenance Planning

Inspection

U.S. Application No.: <u>17/301,659</u>

Filing Date: April 9, 2021

WHEREAS, **BNSF Railway Company** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Texas 76131, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

PATENT ASSIGNMENT – BNSF-00073

\sim	IN	TESTIMO	YNC	WHEREOF,	I	hereunto	set	my	hand	this	14	day	of	
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	lnve	entor Signa	ture: _	Dan	_		. V	<u> </u>		And the second s				

Samuel Minton 108 East Birchwood Brandon, South Dakota 57005

WHEREAS, I, Christopher Neil Pickard, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: System and Method for Strategic Track and Maintenance Planning

<u>Inspection</u>

U.S. Application No.: 17/301,659

Filing Date: April 9, 2021

WHEREAS, **BNSF Railway Company** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Texas 76131, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

PATENT ASSIGNMENT – BNSF-00073

known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I hereunto set my hand this 7th day of April , 2021.

Inventor Signature:

Christopher Neil Pickard 811 Treeline Drive Argyle, TX 76226

PATENT ASSIGNMENT -- BNSF-00073

PAGE 2 OF 2

WHEREAS, I, **Phillip Hunt**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: System and Method for Strategic Track and Maintenance Planning

<u>Inspection</u>

U.S. Application No.: <u>17/301,659</u>

Filing Date: April 9, 2021

WHEREAS, **BNSF Railway Company** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Texas 76131, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

PATENT ASSIGNMENT – BNSF-00073

IN TESTIN	MONY WHERE	OF, I	hereunto	set	my	hand	this	_25_	day	of
	, 20 21 .									

Inventor Signature: Phillip Hunt

Phillip Hunt 1213 Alnwick Lane Saginaw, TX 76131

WHEREAS, I, **Benjamin Klein**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: System and Method for Strategic Track and Maintenance Planning

<u>Inspection</u>

U.S. Application No.: <u>17/301.659</u>

Filing Date: April 9, 2021

WHEREAS, **BNSF Railway Company** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Texas 76131, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue, and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries. I authorize Assignee's representative to fill in the foregoing blanks for the application number and the filing date once that information becomes known. This Assignment shall be binding on the parties' successors, assigns, and legal representatives.

PATENT ASSIGNMENT - BNSF-00073

IN TESTIMONY WHEREOF, I hereunto set my hand this $\underline{3rd}$ day of **December, 2020**.

Inventor Signature: **Benjamin Klein**

Benjamin Klein 1129 Belsay Lane Saginaw, TX 76131

WHEREAS, I, Francis Showry Polisetty, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: System and Method for Strategic Track and Maintenance Planning

<u>Inspection</u>

U.S. Application No.: <u>17/301,659</u>

Filing Date: April 9, 2021

WHEREAS, **BNSF Railway Company** (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Texas 76131, desires to acquire my entire right, title, and interest in and to the invention, and in and to the application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I agree to assign and hereby assign to Assignee, all right, title, and interest in and to the invention and in and to the application and all patents which may be granted therefor, and all future applications throughout the world that may claim priority to said application, including but not limited to divisions, reexaminations, reissues, continuations, continuations-in-part, and extensions thereof, and all rights and remedies associated therewith including the right to sue for and recover past damages and to recover under 35 U.S.C. § 154 (d), or any other law permitting remedies for infringement prior to issuance of the patent; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee. I also agree to assign and hereby assign to Assignee, all right, title, and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title, and interest in Assignee.

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PATENT ASSIGNMENT – BNSF-00073

IN TESTIMONY	WHEREOF, I	hereunto	set my	hand	this	10	t day	of
December 20	20							
	alx	tt.						
Inventor Signature: _		~ }		••••				

Francis Showry Polisetty 2704 Cliffwood Drive Grapevine, TX 76051

PATENT ASSIGNMENT - BNSF-00073

RECORDED: 04/12/2021

PAGE 2 OF 2

PATENT **REEL: 055888 FRAME: 0818**