# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7442525

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	123

# **CONVEYING PARTY DATA**

Name	Execution Date
ERIC PETER OLSEN	07/23/2021
SHANMUGASUNDARAM RAJASUBRAMANIAN	07/20/2021
NITHIN PAUL MATHEW	08/03/2021
MARUTHA PANDIAN JAGADESAN	07/29/2021
MICHAEL HOWARD	07/22/2021
DAVID HIMMELSTEIN	07/19/2021
AAMIR AHMAD HALIM	07/23/2021
WAYNE MORGAN	07/16/2021
AMIT KUMAR DASH	07/22/2021
JACOB BUNKLEY	07/28/2021
DICKSON WAUDO	08/12/2021
WILLIAM STEWART	07/22/2021
RAVEN WYLIE	07/22/2021

# **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:	17813811

# **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:** 8178780545

**Email:** ers-pat@whitakerchalk.com

PATENT REEL: 060777 FRAME: 0053

507395599

Correspondent Name: ENRIQUE SANCHEZ, JR.

Address Line 1: 301 COMMERCE STREET, SUITE 3500

Address Line 4: FORT WORTH, TEXAS 76102

ATTORNEY DOCKET NUMBER:	BNSF-00168
NAME OF SUBMITTER:	ENRIQUE SANCHEZ, JR.
SIGNATURE:	/Enrique Sanchez, Jr./
DATE SIGNED:	07/20/2022

# **Total Attachments: 26**

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> PATENT REEL: 060777 FRAME: 0054

WHEREAS, I, Eric Peter Olsen, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	22200000000000000000000000000000000000

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

PATENT ASSIGNMENT -- BNSF-00089

PAGE 1 OF 2

PATENT REEL: 060777 FRAME: 0055

PATENT ASSIGNMENT - BNSF-00089

PAGE 2 OF 2

WHEREAS, I, Shanmugasundaram Rajasubramanian, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

PATENT ASSIGNMENT -- BNSF-00089

IN TESTIMONY WHEREOF, I hereunto set my hand this 20th day of July , 2021.

Inventor Signature:

Shanmugasundaram Rajasubramanian 1A Subramania Nagar - 1, Behind A.R.L.M School

Cuddalore, Tamil Nadu 607 001, India

### PATENTASSICAMENT

WHEREAS I Nithin Paul Mathew, have invested certain revealed is followed improvements disclosed in an application for Engled States Letters Patent, identified as

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WHEREAS, RNSE Railway Company, thereinafter referred to its "Assignee", a State of Delaware corporation, with an address of 2500 Lou Menk Drive, Fort Worth, Least 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 bareby acknowledged. Lagree to assign and hereby assign to Assignee, all right, filte, and interest in and to the invention and in and to the application and all patents which may be granted therefore and all future applications throughout the world that may claim process to said application, including but not binned 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 15 U.S.C. & 154 (d). or any other law permitting remoties for infringement prior to issuance of the potent, and I berefy authorize and request the Commissioner of Patents and Trademarks to issue all potents for suid myention, or parents resulting therefrom, insofar as our interest is concerned, to Assignee, I also agree to assign and hopeby assign to Assignce, all right fille, 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 metading 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 actiones, applications, resignments, declarations of laborate, and any other papers in connection therewith necessary to perfect such right like, and interest in Assence

AND I HERT BY covenant and agree that I will communicate to Assignee any facts known to me 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 mepertressue, and substitute applications, make lawful oaths and declarations, and generally do exercting 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 forceoing blanks for the application number and the filing date once that information becomes

Page 1 (0) 2

IN TESTIMONY WHEREOF, I hereunto set my hand this 3 day of  $A \sim 3$  . 2021

Inventor Signature:

Nithin Paul Mathew 301, Nishta Residency, Hosa Rd Jn. Electronic City, Bangalore Karnataka, India 560100

PAGE 2002

#### PATENTANIANIANIANI

WHEREAS, I. Marutha Pandian Jagadesan, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as

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WHEREAS, BNSF Railway Company, (bereinafter referred to as "Assignee"), a State of 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 recessory to perfect such their. The land interest in Assigner

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to me 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 ouths 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

PATENT ASSIGNMENT - BNSF-00089

PAGE 1 OF 2

PATENT REEL: 060777 FRAME: 0061

IN TESTIMONY WHEREOF, I hereunto set my hand this <u>29</u> day of <u>501.</u> 2021.

Investor Stephens

Marutha Pandian Jagadesan 2/320-C. J.K. II. J. N. Sathya Nagar

Thadangam Village, Thokkampatti - P.O. Dharmapuri, Tamil Nadu 636705

India

PATENTASSICNMENT - BASE-00089

PAGE 2 OF 2

WHEREAS, I, Michael Howard, 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 RAILROAD PERSONNEL
	~~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 Assignce.

AND I HEREBY covenant and agree that I will communicate to Assignee any facts known to me 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

PATENT ASSIGNMENT - BNSF-00089

PAGE 1 OF 2

PATENT REEL: 060777 FRAME: 0063

IN TESTIMONY WHEREOF, I hereunto set my hand this 22 day of 2021.

Inventor Signature: \_<

Michael Howard 2902 Tee Time Wichita, KS 67205

WHEREAS, I, David Himmelstein, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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-00089

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	N TESTIMONY	WHEREOF, 021.	I	hereunto	set	my	hand	this	19	day	of
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		David Himn 3633 Kales I Flower Mou	æ	ie.	<u>.</u>						

WHEREAS, I, Aamir Ahmad Halim, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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-00089 DM#534109

IN TESTIMONY WHEREOF, I hereunto set my hand this 23 day of July , 2021.

Inventor Signature:

Aamir Ahmad Halim 11725 Bull Creek Drive Northlake, TX 76226

WHEREAS, I, Wayne Morgan, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	***************************************
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

PATENT ASSIGNMENT -- BNSF-00089

representatives.
IN TESTIMONY WHEREOF, I hereunto set my hand this // day of
<del>J4/4</del> , 2021.
Inventor Signature:
WayneMorgan
1340 Spinnaker Lane
Azle, TX 76020

PATENT ASSIGNMENT - BNSF-00089

PAGE 2 OF 2

WHEREAS, I, Amit Kumar Dash, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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;

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PATENT ASSIGNMENT - BNSF-00089 DM#534112

IN TESTIMONY WHEREOF, I hereunto set my hand this 22md day of

Inventor Signature:

Amit Kumar Dash 709 Spring Garden Drive Bedford, TX 76021

WHEREAS, I, Jacob Bunkley, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

PATENT ASSIGNMENT -- BNSF-00089

	m. This Assignment shall be binding on the parties' successors, assigns, and legal sentatives.
July	IN TESTIMONY WHEREOF, I hereunto set my hand this 28 day of, 2021.
	Inventor Signature:
	Jacob Bunkley 1006 Bert Drive
July	Inventor Signature: Jacob Bunkley  Jacob Bunkley

WHEREAS, I, **Dickson Waudo**, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.: Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

PATENT ASSIGNMENT -- BNSF-00089

known. represen	•	nt shall be binding	g on the	parties' si	iccessor	s, assigns,	and legal
I AUGUST	N TESTIMONY	WHEREOF, I 2021.	hereunto	set my	hand	this <u>12</u>	_ day of
I	nventor Signature:						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		Dickson Wande					

Fort Worth, TX 76244

WHEREAS, I, William Stewart, 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 RAILROAD PERSONNEL	4
	SAFETY ASSURANCE	
U.S. Application No.:		
Filing Date:		

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

IN TESTIMONY WHEREOF, I hereunto set my hand this 22 day of 100 day 10

Inventor Signature: <u>Alluan Staat</u>

William Stewart 104 Morning Star Trail Aurora, TX 76078

PATENT ASSIGNMENT - BNSF-00089

PAGE 2 OF 2

WHEREAS, I, Raven Wylie, 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 RAILROAD PERSONNEL
	SAFETY ASSURANCE
U.S. Application No.:	
Filing Date:	

WHEREAS, BNSF Railway Company, (hereinafter referred to as "Assignee"), a State of 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 me 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

PATENT ASSIGNMENT -- BNSF-00089

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

IN TESTIMONY WHEREOF, I hereunto set my hand this 22 day of July \_\_\_\_\_\_, 2021.

Inventor Signature: Raven Wylie

Raven Wylie 4240 Goodnight Circle Fort Worth, TX 76137

PATENT ASSIGNMENT -- BNSF-00089

**RECORDED: 07/20/2022** 

PAGE 2 OF 2