

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
SEQUENCE:	123		
CONVEYING PARTY DATA			
	Name	Execution Date	
	JIMMY H. PANG	10/15/2020	
	DOUGLAS H. GAGE	10/15/2020	
	ANGELA H. ROUSH	10/28/2020	
RECEIVING PARTY DATA			
Name:	BNSF RAILWAY COMPANY		
Street Address:	2500 LOU MENK DRIVE, AOB-3		
City:	FORT WORTH		
State/Country:	TEXAS		
Postal Code:	76131		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	18329480	
CORRESPONDENCE DATA			
Fax Number:	(817)878-0501		
<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:	8178780545		
Email:	ers-pat@whitakerchalk.com		
Correspondent Name:	ENRIQUE SANCHEZ, JR.		
Address Line 1:	301 COMMERCE STREET, SUITE 3500		
Address Line 4:	FORT WORTH, TEXAS 76102		
ATTORNEY DOCKET NUMBER:	BNSF-00146CON3		
NAME OF SUBMITTER:	ENRIQUE SANCHEZ, JR.		
SIGNATURE:	/Enrique Sanchez, Jr./		
DATE SIGNED:	06/05/2023		
Total Attachments: 6			
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PATENT

REEL: 063859 FRAME: 0048

PATENT ASSIGNMENT

WHEREAS, I, Jimmy H Pang, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: A Grounded Operations Management System and Method Therefor

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 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.

IN TESTIMONY WHEREOF, I hereunto set my hand this 15th day of October, 2020.

Inventor Signature: _____

Jimmy H Pang
305 Montrose Ln.
Southlake, TX 76092

A handwritten signature in black ink, consisting of a horizontal line with a diagonal stroke crossing it from the bottom right.

PATENT ASSIGNMENT

WHEREAS, I, Douglas H. Gage, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:

Title of Application: A Grounded Operations Management System and Method Therefor
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 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.

IN, TESTIMONY WHEREOF, I hereunto set my hand this 15 day of
October, 2020.

Inventor Signature: _____

Douglas H. Gage
195 County Road 517
Como, MS 38619

PATENT ASSIGNMENT

WHEREAS, I, Angela H. Roush, have invented certain new and useful improvements disclosed in an application for United States Letters Patent, identified as:


Title of Application: A Grounded Operations Management System and Method Therefor
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 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.

IN TESTIMONY WHEREOF, I hereunto set my hand this 28th day of
October, 2020.

Inventor Signature: _____

Angela H. Roush
6605 Ems Ct
Forth Worth, TX 76116