

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5861821

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTOPHER A. FOSTER	10/28/2019
LUCA FERRARI	10/17/2019
JAMES W. HENRY	10/16/2019
RECEIVING PARTY DATA	
Name:	CNH INDUSTRIAL CANADA, LTD.
Street Address:	1000 71ST STREET, EAST
Internal Address:	P.O. BOX 1928
City:	SASKATOON
State/Country:	CANADA
Postal Code:	S7K 3S5
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16710384
CORRESPONDENCE DATA	
Fax Number:	(864)233-7342
<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:	262-636-0939
Email:	napatent@cnhind.com, usdocketing@dority-manning.com, csmalling@dority-manning.com
Correspondent Name:	CNH INDUSTRIAL AMERICA LLC AND DORITY &
Address Line 1:	700 STATE STREET, MAIN OFFICE
Address Line 4:	RACINE, WISCONSIN 53404
ATTORNEY DOCKET NUMBER:	55591/CNHW-316
NAME OF SUBMITTER:	MATTHEW J. SUTCH
SIGNATURE:	/Matthew J. Sutch/
DATE SIGNED:	12/11/2019
Total Attachments: 7	
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DECLARATION AND ASSIGNMENT AGREEMENT

This DECLARATION AND ASSIGNMENT AGREEMENT is entered into between:

Luca Ferrari of Modena, Italy ("Inventor(s)");
CNH Industrial Italia S.p.A. of Via Plava 80, Torino, 10135, Italy ("Assignor");
CNH Industrial Canada, Ltd. having a place of business 1000 71st Street, East, P.O. Box 1928, Saskatoon, Saskatchewan, Canada S7K 3S5 ("Entitled Owner").

Inventor(s) herewith declares that he/she believes he/she is the original inventor or an original joint inventor of an invention ("Invention") to be claimed in a United States Patent Application ("Application") and entitled "SYSTEM AND METHOD FOR DETERMINING SOIL CLOD SIZE USING CAPTURED IMAGES OF A FIELD." The Application is based on the invention disclosure entitled "Computer Vision-Related Techniques for Detecting Clod Sizes" submitted to the Entitled Owner under internal reference number 55591-L-18-GOO.

Inventor(s) herewith confirms that he/she made the Invention while being in the employ of Assignor and in the execution of his/her normal duties and/or tasks assigned to him/her, and that, by virtue of the Laws of Italy and/or his/her contract of employment, Assignor is rightfully entitled to the entire right, title and interest in and to the Invention and any and all applications for patent and patents granted therefor in any and all countries, including all divisions, reissues, continuations, reexaminations, inventor's certificates, and extensions therefor, and all right of priority resulting from the filing of the Application. To the extent that the Laws of Italy and/or the applicable contract of employment do not assign all rights, title, and interest in and to the Invention, Inventor(s) hereby presently assigns all such rights, title, and interest to Assignor.

Assignor and Entitled Owner have agreed that all rights in and to the Invention should be vested in Entitled Owner.

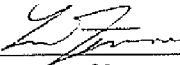
Therefore, for good and valuable consideration, Assignor herewith sells, assigns, and transfers to Entitled Owner its entire right, title, and interest in and to the Invention and any and all applications for patent and patents granted therefor in any and all countries, including all divisions, reissues, continuations, reexaminations, inventor's certificates, and extensions therefor, and all right of priority resulting from the filing of the Application.

Inventor(s) agrees to communicate to Entitled Owner, its representatives, successors or assigns all facts known to him/her regarding the Invention, whenever requested, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reexamination, and reissue applications, and make all rightful oaths and generally do everything to aid said Entitled Owner, its successors, assignees, and representatives to obtain and enforce proper patent protection for the Invention.

In testimony whereof Inventor(s), Assignor, and Entitled Owner have caused this Agreement to be effective as of at least the earliest execution date provided below.

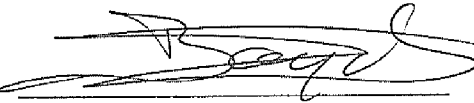
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Date: 17th Octber 2019



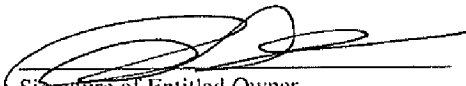
Signature of Inventor
Luca Ferrari

Date: 10/19/19



Signature of Assignor
Kris Boydens
Authorized Signatory for CNH Industrial Italia S.p.A

Date: 12/4/2019



Signature of Entitled Owner
Patrick Sheldrake
Authorized Signatory for CNH Industrial Canada, Ltd.

ASSIGNMENT

THIS ASSIGNMENT, made on the date set forth below by, **James W. Henry**, a resident of Canada, residing in Saskatoon, Saskatchewan, (hereinafter referred to as "the Assignor"), witnesseth:

WHEREAS, the Assignor has invented or co-invented improvements (hereinafter referred to as "the Invention") for which an application for Letters Patent has been filed in the United States Patent and Trademark Office, identified as Application No.

16/710,384, filed December 11, 2019 and entitled:

**“SYSTEM AND METHOD FOR DETERMINING SOIL CLOD SIZE USING
CAPTURED IMAGES OF A FIELD”**

; and

WHEREAS, **CNH Industrial Canada, Ltd.**, having a place of business at 1000 71st Street, East, P.O. Box 1928, Saskatoon, Saskatchewan, Canada S7K 3S5 (hereinafter referred to as “the Assignee”), is desirous of acquiring the entire right, title, and interest in and to the Invention and the application for Letters Patent, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and therefrom.

NOW, THEREFORE, for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in and to: (1) the Invention, (2) the application for Letters Patent, (3) any application for Letters Patent claiming benefit of the application for Letters Patent, including, when the application for Letters Patent is a non-provisional application for Letters Patent, any and all divisions, continuations, and continuations-in-part of the application for Letters Patent, (4) any and all Letters Patent or Patents (hereinafter referred to as "the Letters Patent or Patents") in the United States of America and all foreign countries which may be granted on the application for Letters Patent or an application claiming benefit of the application for Letters Patent, (5) any utility models and industrial designs claiming benefit of the application for Letters Patent, (6) any enhancements, improvements, and extensions thereon, (7) all rights of priority to the application for Letters Patent, and (8) all rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Hague Agreement Concerning the International Deposit of Industrial Designs, and all other treaties of like purposes ("Assigned Patent Rights"), the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which the Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby represents and warrants that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner or joint owner of the entire right, title, and interest in and to the Assigned Patent Rights and that the same are unencumbered and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor shall execute all papers and documents, take all lawful oaths, make all lawful declarations, and do all acts necessary or required to be done for the procurement, protection, maintenance, enforcement, and defense of the Assigned Patent Rights;

The Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks and any counterpart thereto of any and all countries foreign to the United States of America to issue, respectively, any Letters Patent or Patents of the United States and any Letters Patent or Patents of any foreign patent office resulting from the Assigned Patent Rights to the Assignee, as the Assignee of the Assigned Patent Rights, for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby grants the Assignee, an attorney of the Assignee, or an agent of the Assignee the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or any foreign counterpart thereto for recordation of this document.

IN WITNESS WHEREOF, the Assignor has hereunto set his or her hands as of the date written below.

Date: Oct 16/2019

James W. Henry
Inventor - James W. Henry

On this 16th day of Oct, 2019, before me personally appeared **James W. Henry** known to me to be the person(s) whose name is subscribed to the within Assignment, and acknowledged that he executed the same for the purposes therein contained, and desires the same might be recorded as such.

Witness:

[Signature]

ASSIGNMENT

THIS ASSIGNMENT is entered into among:

Christopher A. Foster, of Mohnton, PA: (hereinafter referred to as "the Inventor");

CNH Industrial America LLC having a place of business at 500 Diller Ave., New Holland, Pennsylvania 17557 ("Assignor"); and

CNH Industrial Canada, Ltd. having a place of business 1000 71st Street, East, P.O. Box 1928, Saskatoon, Saskatchewan, Canada S7K 3S5 ("Entitled Owner").

WHEREAS, the Inventor have invented certain new and useful improvements (hereinafter referred to as "the Inventions") for which an application for Letters Patent (hereinafter referred to as "the Application") has been prepared for filing or has been filed in the United States Patent Office, identified as Application No. 16/710,384, filed December 11, 2019 and entitled:

"SYSTEM AND METHOD FOR DETERMINING SOIL CLOD SIZE USING CAPTURED IMAGES OF A FIELD"

WHEREAS, Entitled Owner is desirous of acquiring the entire right, title, and interest in and to the Inventions, the Application, and any Letters Patent or Patents, in the United States or foreign, to be obtained therefor and therefrom; and

WHEREAS, Assignor and Entitled Owner have agreed that all rights in and to the Inventions and the Application should be vested in Entitled Owner.

NOW THEREFORE, for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Inventor herewith confirm that they made the Inventions while being in the employ of Assignor in the execution of their normal duties and/or tasks assigned to them, and that, by virtue of the Laws of United States and/or their contracts of employment, Assignor is rightfully entitled to the entire right, title, and interest in and to the Inventions, in and to the Application, and in and to any Letters Patent or Patents granted therefor and therefrom in any and all countries, including all divisions, reissues, continuations, reexaminations, inventor's certificates, and extensions therefor, and all right of priority resulting from the filing of the Application (hereinafter collectively referred to as "the Assigned Patent Rights");

AND for the same consideration, the Inventor herewith sell, assign, transfer, and set over, unto the Assignor, its successors, legal representatives, and assigns, any remaining right, title, and interest that the Inventor may have in and to the Inventions, in and to the Application, in and to any application for Letters Patent claiming benefit of the Application, including any and all divisions, continuations, and continuations-in-part of the Application, in and to any and all Letters Patent or Patents in the United States and all foreign countries which may be granted therefor and therefrom, in and to any utility models and industrial designs claiming benefit of the Application, in and to any enhancements, improvements, and extensions thereon, any remaining rights that the Inventor may have under the International Convention for the

Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Hague Agreement Concerning the International Deposit of Industrial Designs, and all other treaties of like purposes, and any remaining rights of priority that the Inventor may have in and to the Application, the same to be held and enjoyed by the Assignor, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which the Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Inventor had this sale and assignment not been made (all such rights, title, and interest further included in the "Assigned Patent Rights");

AND for the same consideration, Assignor herewith sells, assigns, transfers, and sets over to Entitled Owner its entire right, title, and interest in and to the Assigned Patent Rights.

AND for the same consideration, the Inventor hereby covenant and agree to and with the Entitled Owner, its successors, legal representatives, and assigns, that the Inventor shall execute all papers and documents, take all lawful oaths, make all lawful declarations, and do all acts necessary or required to be done for the procurement, protection, maintenance, enforcement, and defense of the Assigned Patent Rights;

This Assignment may be executed in one or more counterparts, each of which shall be considered one and the same Assignment. Delivery of a counterpart by facsimile or e-mail shall be as effective as physical delivery of an original signed counterpart.

The undersigned hereby grant the Entitled Owner, an attorney of the Entitled Owner, or an agent of the Entitled Owner the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office or any foreign counterpart thereto for recordation of this document.

IN WITNESS WHEREOF, the Inventor, Assignor, and Entitled Owner have caused this Agreement to be effective on this _____ day of _____.

Date:

28 oct 2019

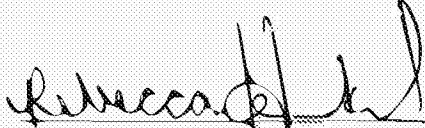


Signature of Inventor

Christopher A. Foster

Date:

Nov 4, 2019



Signature of Assignor

Rebecca Henkel

Authorized Signatory for **CNH Industrial
America LLC** (Assignor)

Docket No. 55591/CNHW-316

Date:

10/26/2019



Signature of Entitled Owner

Patrick Sheldrake

Authorized Signatory for **CNH Industrial
Canada, Ltd.** (Entitled Owner)