504635929 11/09/2017

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT4682647

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| BRIAN ROBERT RAY | 07/13/2017 |
| PETER JOHN DIX | 07/12/2017 |
| BRENDAN PAUL MCCARTHY | 07/14/2017 |
| BRETT MCCLELLAND | 10/26/2017 |

RECEIVING PARTY DATA

| Name: | CNH INDUSTRIAL AMERICA LLC |
|-----------------|----------------------------|
| Street Address: | 500 DILLER AVENUE |
| City: | NEW HOLLAND |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 17557 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15648672 |

CORRESPONDENCE DATA

Fax Number: (262)636-6231

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: 262-636-6357

Email: vannette.azarian@cnhind.com
Correspondent Name: CNH INDUSTRIAL AMERICA LLC

Address Line 1: 700 STATE STREET
Address Line 2: IP LAW DEPARTMENT

Address Line 4: RACINE, WISCONSIN 53404

| ATTORNEY DOCKET NUMBER: | 54298 (CNHA:0553) |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | ANDREW L. KANTOR |
| SIGNATURE: | /Andrew L. Kantor/ |
| DATE SIGNED: | 11/09/2017 |

Total Attachments: 5

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PATENT 504635929 REEL: 044085 FRAME: 0393

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **CNH Industrial America LLC** (the "Assignee"), having its principal place of business at **500 Diller Avenue**, **New Holland**, **Pennsylvania 17557**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, and improvements which are disclosed in the application for United States Letters Patent, which is entitled "SYSTEM AND METHOD FOR GENERATING AND IMPLEMENTING AN END-OF-ROW TURN PATH," and which may be further identified below, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States, including all provisional and non-provisional applications, and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST that any attorney associated with PTO Customer No. 71475 may delete, insert, or alter any information identifying this application, or any related application, below after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and without further consideration, but at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

| Additional Application Information | | | |
|---|-----------------------------------|--|--|
| U.S. Provisional Application Serial No. | , filed on | | |
| U.S. Non-Provisional Application Serial No. <u>15/648,672</u> | , filed on <u>July 13, 2017</u> . | | |
| International Application Serial No | , filed on | | |

54298 (CNHA:0553)

| INVENTOR 1 | : | | |
|--------------|--|-------|---------|
| Signature: | Brian Robert Ray | Date: | 7/13/17 |
| Witnessed b(| Signature Signature | Date: | 7/13/17 |
| | Shonda Velson Printed Name of Witness | | |

INVENTOR 2:

Signature:

Peter John Dix

Date: $\frac{7/12/2017}{7/12/2017}$

Witnessed by:

Signature

Signature: BIM (a) // IX
Brendan Paul McCorthy

Date: 7/14/17

Witnessed by: 7/14/17

Parinted Name of Witness

INVENTOR 4:

Signature:

Brott McClelland

Date: 18/26/2017

Signature

Date:

10/26/2017

PATENT REEL: 044085 FRAME: 0399

RECORDED: 11/09/2017