

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3182747

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
NAVCOM TECHNOLOGY, INC.		01/09/2015
RECEIVING PARTY DATA		
Name:	DEERE & COMPANY	
Street Address:	ONE JOHN DEERE PLACE	
City:	MOLINE	
State/Country:	ILLINOIS	
Postal Code:	61265	
PROPERTY NUMBERS Total: 52		
Property Type	Number	
Patent Number:	6259401	
Patent Number:	6125135	
Patent Number:	5808582	
Patent Number:	6347113	
Patent Number:	6603803	
Patent Number:	6430212	
Patent Number:	6760393	
Patent Number:	6342867	
Patent Number:	6687609	
Patent Number:	6753810	
Patent Number:	7286624	
Patent Number:	7250901	
Patent Number:	7385551	
Patent Number:	7466262	
Patent Number:	7427945	
Patent Number:	7315275	
Patent Number:	7450080	
Patent Number:	7117417	
Patent Number:	6864836	
Patent Number:	6934632	

PATENT

Property Type	Number
Patent Number:	7119741
Patent Number:	7071870
Patent Number:	7511661
Patent Number:	7212155
Patent Number:	7248211
Patent Number:	6674687
Patent Number:	7801481
Patent Number:	7912158
Patent Number:	7860145
Patent Number:	8243772
Patent Number:	7453925
Patent Number:	7330153
Patent Number:	7427950
Patent Number:	7633437
Patent Number:	8242953
Patent Number:	8035552
Patent Number:	7961143
Patent Number:	7880681
Patent Number:	7679555
Patent Number:	7961141
Patent Number:	8466837
Patent Number:	8416133
Patent Number:	8766848
Patent Number:	8427365
Patent Number:	8665145
Patent Number:	8803736
Patent Number:	8659474
Application Number:	61252104
Application Number:	13115851
Application Number:	61328807
Application Number:	13715032
Application Number:	61308467

CORRESPONDENCE DATA

Fax Number: (309)749-0083

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.

Email: patmolineuspto@johndeere.com

Correspondent Name: DEERE & COMPANY

Address Line 1:	ONE JOHN DEERE PLACE
Address Line 4:	MOLINE, ILLINOIS 61265

NAME OF SUBMITTER:	DARIN E. BARTHOLOMEW
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SIGNATURE:	/DarinEBartholomew36444/
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DATE SIGNED:	01/14/2015
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Total Attachments: 7

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NAVCOM PATENT ASSIGNMENT AGREEMENT

This NavCom Patent Assignment Agreement ("Patent Assignment"), effective as of January 15, 2015 ("Effective Date"), is made by NavCom Technology, Inc. ("NavCom" or "Assignor"), with offices at 20780 Madrona Ave., Torrance, CA 90503, to Deere & Company ("Deere" or "Assignee"), with offices at One John Deere Place, Moline, IL 61265; where NavCom is a wholly owned subsidiary of Deere.

WHEREAS, NavCom and Deere wish to convey, transfer and assign to Deere certain patent assets of Assignor, and has agreed to execute and deliver this Patent Assignment, for recording with foreign and domestic governmental authorities including, but not limited to, the US Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby mutually acknowledged, NavCom and Deere agree as follows:

1. **ASSIGNMENT.** NavCom hereby irrevocably conveys, transfers and assigns to Deere, and Deere hereby accepts, all of NavCom's right, title and interest in and to the following (the "Assigned Patents"):

(a) all U.S. and all other patents set forth in Exhibit A, attached hereto; all U.S. and all other patent applications set forth in Exhibit A; all patents and patent applications that claim priority based on any of the patents or patent applications set forth in Exhibit A on a worldwide basis; all reissue, divisional, continuation, continuation-in-part, extension, re-examination patents or applications based on any of the patents or patent applications set forth in Exhibit A on a worldwide basis; and any patents, both foreign and domestic, that may or shall issue from any applications set forth in Exhibit A or otherwise included within the scope of this provision; and any renewal, revival, or substitute of any domestic or foreign applications; any patents arising from derivation proceedings relating to any of the foregoing applications; and, any patents arising from supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension of any patents that otherwise fall under the scope of this provision (individually or collectively, the "Patents").

(b) all rights of any kind whatsoever of NavCom accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world, including all of Assignor's entire rights in the Patents under any international convention and all inventions disclosed and discussed therein;

(c) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(d) any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date set forth below, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. **ASSISTANCE.** Assignor, its successor and assigns, does hereby covenant and agree with the Assignee, its successors and assigns, that Assignor, its successor and assigns, will not execute any writing or do any act whatsoever conflicting with the assignment or other provisions in this Patent Assignment and that Assignor, its successor and assigns, will at any time upon request, without further consideration, but at the expense of the Assignee, their successor, or assigns, execute such additional reasonable documents or acknowledgements and do such additional reasonable acts as said Assignees, their successors, or assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, reissued, extended patent, or other Patents of the United States, or of any and all foreign countries, and in enforcing any rights occurring as a result of such Patents, by giving testimony in any proceedings or transactions involving such Patents.

3. **RECORDATION.** NavCom authorizes the Commissioner for Patents and any other governmental officials to record and register this Patent Assignment upon request by Deere, or its legal representatives. NavCom shall take such steps and actions following the date set forth below, including the execution of any documents, files, registrations, or other similar items, to ensure that the Assigned Patents are properly assigned to Deere, or any assignee or successor thereto.

4. **SUCCESSORS AND ASSIGNS.** This Patent Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

5. **LAW AND VENUE.** All matters arising out of or relating to this Patent Assignment shall be governed by and construed in accordance with the laws of the United States and the internal laws of the State of Illinois without giving effect to any choice or conflict of law provision or rule (whether of the State of Illinois or any other jurisdiction).

6. **COUNTERPARTS.** This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. Facsimile, e-mail or other means of electronic transmission signatures are deemed as legally enforceable as the original signed copy of this Patent Assignment.

IN WITNESS WHEREOF, the parties hereto have caused this Assignment to be duly executed as of the day and year first set forth above.

ASSIGNOR:

NavCom Technology, Inc.

By: Patrick Pinkston

Name: Patrick Pinkston

Title: President of NavCom Technology, Inc.

Date: 9 January 2015

Patrick Pinkston, President of NavCom Technology, Inc.

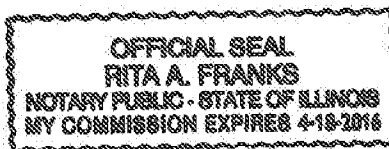
State of Illinois)

) ss.

County of Rock Island)

On this 9th day of January, 2015 before me a Notary Public, personally appeared Patrick Pinkston, known to me to be the President of NavCom who is authorized to act on behalf of NavCom, and further known to me to be the person who executed the foregoing Patent Assignment and acknowledged that he executed the same as his free act and deed.

Seal



Rita A. Franks

Notary Public

Date 9 January 2015

ASSIGNEE:

Deere & Company

By: *Michael Mihm*

Name: Michael Mihm

Title: Assistant Secretary

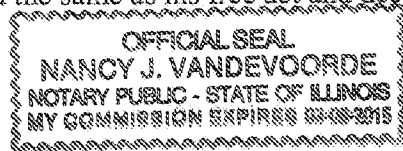
Date: 12 JAN 2015

Michael Mihm, Assistant Secretary of Deere & Company

State of Illinois)
) ss.
County of Rock Island)

On this 12th day of January, 2015 before me a Notary Public, personally appeared Michael Mihm, known to me to be the Assistant Secretary who is authorized to act on behalf of Deere & Company, and further known to me to be the person who executed the foregoing Patent Assignment and acknowledged that he executed the same as his free act and deed.

Seal



Nancy J. Vandevoorde
Notary Public

Date 12 January 2015

EXHIBIT A

This document is Exhibit A under the NavCom Patent Assignment Agreement between NavCom Technology, Inc. and Deere & Company, dated January 15, 2015.

U.S. Patents and Patent Applications include the following:

Docket No.	App. No.	Title	Patent No.
15632-US	09/060,399	GLOBAL POSITIONING SYSTEM RECEIVER WITH IMPROVED MULTIPATH SIGNAL REJECTION	6,259,401
15634-US	09/437,779	SYSTEM AND METHOD FOR DEMODULATING GLOBAL POSITIONING SYSTEM SIGNALS	6,125,135
15635-US	08/795,608	GLOBAL POSITIONING SYSTEM RECEIVER WITH IMPROVED MULTIPATH SIGNAL REJECTION	5,808,582
15640-US	09/437,108	GLOBAL POSITIONING SYSTEM RECEIVER FOR MONITORING THE SATELLITE TRANSMISSIONS AND FOR REDUCING THE EFFECTS OF MULTIPATH ERROR	6,347,113
15640-US-CIP	09/520,152	GLOBAL POSITIONING SYSTEM RECEIVER FOR MONITORING THE SATELLITE TRANSMISSIONS AND FOR REDUCING THE EFFECTS OF MULTIPATH ERROR ON CODED SIGNALS AND CARRIER PHASE MEASUREMENTS	6,603,803
15642-US	09/522,393	SPREAD-SPECTRUM GMSK/M-ARY RADIO	6,430,212
15642-US-CIP	09/564,683	SPREAD-SPECTRUM GMSK/M-ARY RADIO WITH OSCILLATOR FREQUENCY CORRECTION	6,760,393
15644-US	09/540,747	NESTED TURNSTILE ANTENNA	6,342,867
16112-US	10/171,586	MOBILE-TRAILER TRACKING SYSTEM AND METHOD	6,687,609
16228-US	10/338,264	FAST AMBIGUITY RESOLUTION FOR REAL TIME KINEMATIC SURVEY AND NAVIGATION	6,753,810
16594-US	10/614,098	TWO-WAY RF RANGING SYSTEM AND METHOD FOR LOCAL POSITIONING	7,286,624
16595-US	10/614,097	SYNTHETIC APERTURE RADAR SYSTEM AND METHOD FOR LOCAL POSITIONING	7,250,901
16595-US-D1	11/064,562	POLARIZATION SENSITIVE SYNTHETIC APERTURE RADAR SYSTEM AND METHOD FOR LOCAL POSITIONING	7,385,551
16595-US-P1	11/103,965	POSITIONING SYSTEM WITH A SPARSE ANTENNA ARRAY	7,466,262
16595-US-P2	11/103,962	POSITIONING SYSTEM WITH CO-POLARIZED AND CROSS-POLARIZED MAPPING	7,427,945
16595-US-P3	11/103,950	POSITIONING SYSTEM WITH INTENTIONAL MULTI-PATH SIGNAL	7,315,275
16595-US-P4	11/104,007	DECOHERENCE PLATE FOR USE IN A COMMUNICATIONS SYSTEM	7,450,080
16596-US	10/630,302	METHOD FOR GENERATING CLOCK CORRECTIONS FOR A WIDE-AREA OR GLOBAL DIFFERENTIAL GPS SYSTEM	7,117,417
16632-US	10/656,956	METHOD FOR RECEIVER AUTONOMOUS INTEGRITY MONITORING AND FAULT DETECTION AND ELIMINATION	6,864,836
16678-US	10/682,553	METHOD FOR USING THREE GPS FREQUENCIES TO RESOLVE CARRIER-PHASE INTEGER AMBIGUITIES	6,934,632
16828-US	10/757,340	METHOD FOR COMBINED USE OF A LOCAL RTK SYSTEM AND A REGIONAL, WIDE-AREA, OR GLOBAL CARRIER-PHASE POSITIONING SYSTEM	7,119,741
16828-US-C	11/181,410	METHOD FOR COMBINED USE OF LOCAL POSITIONING SYSTEM AND A GLOBAL POSITIONING SYSTEM	7,071,870
16828-US-P	11/345,124	METHOD FOR COMBINED USE OF A LOCAL POSITIONING SYSTEM, A LOCAL RTK SYSTEM, AND A REGIONAL, WIDE-AREA, OR GLOBAL CARRIER-PHASE POSITIONING SYSTEM	7,511,661
16896-US	10/841,689	GPS NAVIGATION USING SUCCESSIVE DIFFERENCES OF CARRIER-PHASE MEASUREMENTS	7,212,155
16988-US	10/899,570	MOVING REFERENCE RECEIVER FOR RTK NAVIGATION	7,248,211
17027-US	10/057,662	SYSTEM AND METHOD FOR NAVIGATION USING TWO-WAY ULTRASONIC POSITIONING	6,674,687
17500-US	11/270,252	SATELLITE NAVIGATION RECEIVER SIGNAL PROCESSING ARCHITECTURE	7,801,481
17501-US	11/270,253	SAMPLING THRESHOLD AND GAIN FOR SATELLITE NAVIGATION RECEIVER	7,912,158
17502-US	11/417,965	ADAPTIVE CODE GENERATOR FOR SATELLITE NAVIGATION RECEIVERS	7,860,145
17502-US-C	12/955,823	ADAPTIVE CODE GENERATOR FOR SATELLITE NAVIGATION RECEIVERS	8,243,772
17611-US	10/968,632	PHASE MULTI-PATH MITIGATION	7,453,925
17621-US	11/402,141	MULTI-BAND INVERTED-L ANTENNA	7,330,153
17719-US-P	11/457,745	METHOD FOR INCREASING THE RELIABILITY OF POSITION INFORMATION WHEN TRANSITIONING FROM A REGIONAL, WIDE-AREA, OR GLOBAL CARRIER-PHASE DIFFERENTIAL NAVIGATION (WADGPS) TO A LOCAL REAL-TIME KINEMATIC (RTK) NAVIGATION SYSTEM	7,427,950
17762-US	11/525,756	METHOD FOR USING THREE GPS FREQUENCIES TO RESOLVE WHOLE-CYCLE CARRIER-PHASE AMBIGUITIES	7,633,437

18036-US	13/226,311	DISTANCE DEPENDENT ERROR MITIGATION IN REAL-TIME KINEMATIC (RTK) POSITIONING	8,242,953
18036-US	12/119,451	DISTANCE DEPENDANT ERROR MITIGATION IN REAL-TIME KINEMATIC (RTK) POSITIONING	8,035,552
18037-US	12/119,450	PARTIAL SEARCH CARRIER-PHASE INTEGER AMBIGUITY RESOLUTION	7,961,143
18423-US	12/037,908	ANTENNA WITH DUAL BAND LUMPED ELEMENT IMPEDANCE MATCHING	7,880,681
18513-US	12/341,969	NAVIGATION RECEIVER AND METHOD FOR COMBINED USE OF A STANDARD RTK SYSTEM AND A GLOBAL CARRIER-PHASE DIFFERENTIAL POSITIONING SYSTEM	7,679,555
18519-US	12/331,339	METHODS AND SYSTEMS TO INCREASE ACCURACY IN THE NAVIGATION OF SINGLE FREQUENCY RECEIVERS	7,961,141
18786-US	12/392,037	HOOKEED TURNSTILE ANTENNA FOR NAVIGATION AND COMMUNICATION	8,466,837
18965-US	12/898,629	SYSTEM AND METHOD FOR COMPENSATING FOR FAULTY MEASUREMENTS	8,416,133
18965-US	61/252,104	System and Method for Compensating for Faulty Satellite Navigation Measurements	
19110-C-US	13/753,163	METHOD AND SYSTEM FOR ESTIMATING POSITION USING DUAL REAL TIME KINEMATIC ENGINES	8,766,848
19110-US	12/767,897	METHOD AND SYSTEM FOR ESTIMATING POSITION USING DUAL REAL TIME KINEMATIC ENGINES	8,427,365
19180-US	13/115,851	SYSTEM AND METHOD FOR MOVING-BASE RTK MEASUREMENTS	
19209-US	61/328,807	SYSTEM AND METHOD FOR DETERMINING THE HEADING ANGLE OF A VEHICLE	
19209-US	13/093,020	SYSTEM AND METHOD FOR DETERMINING THE HEADING ANGLE OF A VEHICLE	8,665,145
19210-D1-US	13/715,032	METHOD AND SYSTEM FOR ESTIMATING POSITION WITH BIAS COMPENSATION	
19210-US	12/767,912	METHOD AND SYSTEM FOR ESTIMATING POSITION WITH BIAS COMPENSATION	8,803,736
19210X-US	61/308,467	Glomass Inter-channel Calibration for Carrier Phase and Code	
P20431-US	13/299,324	NAVIGATION SYSTEM AND METHOD FOR RESOLVING INTEGER AMBIGUITIES USING DOUBLE DIFFERENCE AMBIGUITY CONSTRAINTS	8,659,474