505381422 03/19/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
TRAVIS CAMPBELL			03/06/2019
KURT TOWNSEND			03/06/2019
LOREN LEUSINK			03/06/2019
RICHARD K. KAUFMAN			03/06/2019
ALAN F. BARRY			03/06/2019
DOUGLAS GILBERT			03/06/2019
RECEIVING PARTY DA	TA		
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City:	AMES		
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		Number	
PROPERTY NUMBERS			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	Total: 1 PATA e sent to	Number	US Mail.
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if µ</i> Phone: Email: Correspondent Name:	Total: 1 PATA e sent to	Number16272590(515)243-0654o the e-mail address first; if that is unsuccesd; if that is unsuccessful, it will be sent via515-288-2500shelbykosiek@davisbrownlaw.comDAVIS, BROWN, KOEHN, SHORS & ROBE	US Mail.
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	• Total: 1	Number 16272590 (515)243-0654 o the e-mail address first; if that is unsucced; if that is unsuccessful, it will be sent via 515-288-2500 shelbykosiek@davisbrownlaw.com DAVIS, BROWN, KOEHN, SHORS & ROBE 215 10TH STREET SUITE 1300 DES MOINES, IOWA 50309	US Mail.
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	• Total: 1	Number 16272590 (515)243-0654 o the e-mail address first; if that is unsucced; if that is unsuccessful, it will be sent via 515-288-2500 shelbykosiek@davisbrownlaw.com DAVIS, BROWN, KOEHN, SHORS & ROBE 215 10TH STREET SUITE 1300 DES MOINES, IOWA 50309	US Mail.
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ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Ag Leader Technology

a corporation organized under the laws of the state of IA as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

Seed Spacing Device For An Agricultural Planter And Related Systems And Methods

described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>70400/146193</u>, at Davis, Brown, Koehn, Shors & Roberts, P.C., 215 10th Street, Suite 1300, Des Moines, IA 50309 and filed on <u>2/11/2019</u>, as Application Serial No. <u>16/272,590</u>, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefore in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Sean Solberg, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Inventor's Signature

Travis Campbell Inventor's Printed Name

<u> 3/0/19</u>

PATENT REEL: 048632 FRAME: 0233 STATE OF) \$8 COUNTY OF

On this $\underline{(a + b)}$ day of \underline{Max} , $\underline{20/9}$, before me personally came the above named \underline{Travis} <u>Campbell</u> who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

WYLA J OLSON mission Number 794493

MyKa G. alson NOTARY PUBLIC My Commission Expires: 2/9/22

Inventor's Signature

Kurt Townsend

Inventor's Printed Name

STATE OF) \$8 COUNTY OF

On this $\underline{4}$ day of $\underline{4}$ day of \underline{4} day of $\underline{4}$ day of \underline{4} day of $\underline{4}$ day of \underline{4} day of \underline{4} day of $\underline{4}$ day of \underline{4} day of \underline the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Syla J OLSON ommission Number 794493 My Commission Expires

Inventor's Signature

Loren Leusink Inventor's Printed Name

STATE OF) 88 COUNTY OF

MUKALY: UNA NOTARY PUBLIC My Commission Expires: 2/9/22

3/6/19

On this _____ day of ______ day of ______, Jold, before me personally came the above named Loren Leusink who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



 $\frac{\int \sqrt{a} \left(\frac{\partial}{\partial x} \right) \left(\frac{\partial}{\partial y} \right)}{\int \sqrt{a} \left(\frac{\partial}{\partial y} \right) \left(\frac{\partial}{\partial y} \right)}$ My Commission Expires: $\frac{2}{9} \left(\frac{2}{3} \right)$

PATENT REEL: 048632 FRAME: 0234

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and K Laufman Inventor's Signature

<u>6 Mar 2019</u> Date

Richard K. Kaufman Inventor's Printed Name

STATE OF COUNTY OF

On this 20/9, before me personally came the above named <u>Richard K.</u> <u>Kaufman</u> who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

MYLA J OLSON Commission Number 794493 aion Expires

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M. Ka. (J. UD94) NOTARY PUBLIC My Commission Expires: 2/9/22

Inventor's Signature

6 MAR 2019

Alan F. Barry Inventor's Printed Name

STATE OF

COUNTY OF

On this day of day of day of day of day of day, day

J.W.	SYLA J OLAON
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NOTARY PUBLIC My Commission Expires: 2/9/22

PATENT REEL: 048632 FRAME: 0235

1. U.A

Inventor's Signature

3/6/2019 DATE

Douglas Gilbert Inventor's Printed Name

STATE OF

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ISYLA J OLSON Commission Number 794493 m, Expires 889 E

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RECORDED: 03/19/2019

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