

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NORMAN F KRASNER	05/27/2016
	ARUN RAGHUPATHY	05/20/2016
RECEIVING PARTY DATA		
Name:	NEXTNAV, LLC	
Street Address:	484 OAKMEAD PARKWAY	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94085	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15157288
CORRESPONDENCE DATA		
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<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>		
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Email:	kyle@ptlawgroup.com	
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ATTORNEY DOCKET NUMBER:	NEXN-006-US4	
NAME OF SUBMITTER:	KYLE PENDERGRASS	
SIGNATURE:	/Kyle Pendergrass/	
DATE SIGNED:	05/30/2016	
Total Attachments: 4		
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source=2016-05-20-0000-NEXN-006-US4-ASGN-both#page4.tif		

ASSIGNMENT

I, an undersigned Inventor (the "Assignor"), have made one or more inventions (the "Invention(s)") set forth in the following applications for patent:

United States Provisional Patent Application No. 61/514,369, filed on 02 AUG 2011, entitled CELL ORGANIZATION AND TRANSMISSION SCHEMES IN A WIDE AREA POSITIONING SYSTEM (WAPS); United States Patent Application No. 13/565,614, filed on 02 AUG 2012, entitled CELL ORGANIZATION AND TRANSMISSION SCHEMES IN A WIDE AREA POSITIONING SYSTEM (WAPS); United States Patent Application No. 13/565,723, filed on 02 AUG 2012, entitled CELL ORGANIZATION AND TRANSMISSION SCHEMES IN A WIDE AREA POSITIONING SYSTEM (WAPS); United States Patent Application No. 13/565,732, filed on 02 AUG 2012, entitled CELL ORGANIZATION AND TRANSMISSION SCHEMES IN A WIDE AREA POSITIONING SYSTEM (WAPS); United States Patent Application No. 15/157,288, filed on 2016-05-17, entitled CELL ORGANIZATION AND TRANSMISSION SCHEMES IN A WIDE AREA POSITIONING SYSTEM (WAPS); Patent Cooperation Treaty (PCT) Application No. PCT/US12/49390, filed on 02 AUG 2012, entitled CELL ORGANIZATION AND TRANSMISSION SCHEMES IN A WIDE AREA POSITIONING SYSTEM (WAPS)

WHEREAS, NextNav, LLC, a Delaware Limited Liability Company, having its address at 484 Oakmead Parkway, Sunnyvale, California 94085 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in (a) – (h) below.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor hereby sells, assigns, transfers, and sets over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in (a) – (h) below:

- (a) the Invention(s);
- (b) the one or more applications for patent identified above;
- (c) the right to file applications for patent of the United States and other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty (PCT), and further including all rights under the laws of each country;
- (d) any and all applications for patent of the United States and other countries claiming the Invention(s);
- (e) any and all applications for patent of the United States and other countries claiming priority to any of the one or more applications for patent identified above, including any and all divisionals, continuations, and continuations-in-part;
- (f) any and all applications for patent of the United States and other countries to which any of the one or more applications for patent identified above claims priority, including provisional applications filed in the United States to which any of the one or more applications for patent identified above claim priority;
- (g) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(f); and
- (h) any and all patents of the United States and other countries that may be granted for or on any application for patent identified in the preceding paragraphs, including any and all reissues and extensions of patents.

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale, assignment, transfer and set over not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) is unencumbered, except, if applicable, by obligation to assign in accordance with a prior agreement between the Assignor and the Assignee, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor sells, assigns, transfers, and sets over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in (a) – (h) above to the extent that the Assignor has not done so already via a prior agreement with the Assignee. Where the Assignor has already, via a prior agreement with the Assignee, sold, assigned, transferred, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in (a) – (h) above, Assignor hereby confirms that prior agreement.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), the one or more applications for patent identified above, any patents that issue from the one or more applications for patent identified above, and any other of items (a) – (h) above, without charge to the Assignor, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests any of Kyle M. Pendergrass and his law firm, to insert the filing date, the application number, the title, the docket number, and any other information corresponding to the invention(s) and applications identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby requests foreign patent offices to issue patents in those countries to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Signature (hand written): _____

Inventor Name: Norman F. Krasner Date: _____

Address: 3 Lake Court, Redwood City, CA 94062

Signature (hand written): Arun R

Inventor Name: Arun Raghupathy Date: 20TH MAY, 2016

Address: 14E, Asset Gardenia Enclave, Ramagondanahalli, Bangalore – 560066, India

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- (g) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(f); and
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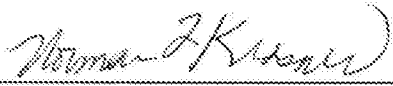
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Signature (hand written): 
 Inventor Name: Norman F. Krasner Date: 27 May 2016
 Address: 3 Lake Court, Redwood City, CA 94062

Signature (hand written): _____
 Inventor Name: Arun Raghupathy Date: _____
 Address: 14E, Asset Gardenia Enclave, Ramagondanahalli, Bangalore - 560066, India