PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NORMAN F KRASNER	01/28/2014
ANDREW SENDONARIS	01/27/2014
JAGADISH VENKATARAMAN	01/27/2014
CHEN MENG	01/27/2014

RECEIVING PARTY DATA

Name:	NEXTNAV, LLC		
Street Address:	484 OAKMEAD PARKWAY		
City:	SUNNYVALE		
State/Country:	CALIFORNIA		
Postal Code: 94085			

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14207351
PCT Number:	US1424979

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: KYLE M. PENDERGRASS

Address Line 1: 1645 EMERALD STREET

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Address Line 4: SAN DIEGO, CALIFORNIA 92109

ATTORNEY DOCKET NUMBER:	NEXN-010-201_401
NAME OF SUBMITTER:	KYLE PENDERGRASS
SIGNATURE:	/Kyle Pendergrass/
DATE SIGNED:	03/13/2014

Total Attachments: 3

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ASSIGNMENT

Norman Krasner, Andrew Sendonaris, Jagadish Venkataraman, and Chen Meng, (each referred to as "Assignor") have made one or more inventions (the "Invention") set forth in one or more applications for patent, and which include:

U.S. Patent Application No.	14/207,351			, filed
on March 12, 2014	, entitled	I METHODS	AND APPARAT	rus ene
IMPROVING TIME OF ARRIVAL	DETERMINATION I	N WIDE AREA	OSITIONING SY	STEMS;
Patent Cooperation Treaty	(PCT) Application	No. PCT/US	314/24979	filed or
March 12, 2014 entitled i	METHODS AND AL	PPARATUS FOR	MPROVING	TIME OF
ARRIVAL DETERMINATION IN	WIDE AREA POSITIO	NING SYSTEM	5	

WHEREAS, NextNav, LLC, having its principal place of business at 484 Oakmead Parkway, Sunnyvale, California 94085, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention; the application for patent identified above; the right to file applications for patent of the United States or other countries on the Invention; any application for patent of the United States or other countries claiming priority to any of the above applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, 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 Assignor's entire right, title, and interest in:

- (a) the Invention:
- (b) the one or more applications for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention, including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty (PCT);
- (d) any and all applications for patent of the United States or other countries claiming the Invention;
- (e) any and all application for patent of the United States or other countries claiming priority to the one or more applications for patent identified above or any and all applications for patent claiming the Inventions, including any and all divisionals, continuations, and continuations-in-part;
- (f) any and all applications for patent of the United States or other countries to which the any of one or more applications for patent identified above claims 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 or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (a)-(f), including any and all reissues and extensions of said 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 and assignment 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, or if applicable, at such time the prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention, that the Invention is unencumbered, except, if applicable, by obligation to assign in accordance with the prior agreement, 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 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), said applications, and said patents, including interference proceedings, without charge to the Assignor, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests Kyle Pendergrass, Esq., to insert the filing date(s) and the application number(s) 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.

Assignor	·		Date	* .		
	Norman Kras			***************************************		
Residing	at:		***************************************			
Assignor	AD)		Date	1/27/19	;	
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Residing	at: <u> </u>	July L	onch C	t,6160	to1, CA 9	5012 -
Assignor:	Japan		Date:	1/23 14	·	
	Jagadišh Ven	kataraman	\$ a	<i>a</i>	and a second and	
Residing	at: <u>437 (</u>	AMILLE Q	2 # 12	SAN JOSE	<u>CA 95134</u>	
Assignor:	<u>d</u>		Date:	01/27/20		
	Chen Meng at: 815	r / 2		Bak 0 C	unnquale, c	a 46087
Residing	at: <u>X/S</u>	E TYC WOR	i NNE.	WALL Q / X	nnyvale / c	w strad
				У	/	

(h) any and all patents of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (a)-(f), including any and all reissues and extensions of said patents.

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Assignor: <u>Mannay Label</u>	Date: 28 Jan 2014	
Norman Krasner Residing at: AKE COVRT	<u>EMERALD HILLS CA.94</u>	06.
Assignor:Andrew Sendonaris	Date:	
Residing at:		
Assignor:	Date:	
Residing at:		
Assignor:	Date:	
Chen Meng Residing at:		