502180914 01/02/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee's name previously recorded on Reel 029383 Frame 0720. Assignor(s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Avdhut S. JOSHI	10/03/2012
Michael R. JAMES	10/02/2012
Michael E. SAMPLES	10/08/2012

RECEIVING PARTY DATA

Name:	Toyota Motor Engineering & Manufacturing North America
Street Address:	25 Atlantic Avenue
City:	Erlanger
State/Country:	KENTUCKY
Postal Code:	41018

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13556802

CORRESPONDENCE DATA

Fax Number: 7034132220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 413-3000
Email: araza@oblon.com
Correspondent Name: Oblon, Spivak, et al.
Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	401360US71
NAME OF SUBMITTER:	Amna Raza

Total Attachments: 4

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> PATENT REEL: 029561 FRAME: 0329

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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the 3rd Assignor's execution date previously recorded on Reel 029099 Frame 0037. Assignor(s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Avdhut S. JOSHI	10/03/2012
Michael R. JAMES	10/02/2012
Michael E. SAMPLES	10/08/2012

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA (TEMA)
Street Address:	25 Atlantic Avenue
City:	Erlanger
State/Country:	KENTUCKY
Postal Code:	41018

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13556802

CORRESPONDENCE DATA

Fax Number:

7034132220

Phone:

(703) 413-3000

araza@oblon.com

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

will be sent via US Mail.

Correspondent Name: Oblon, Spivak, et al.

Address Line 1:

1940 Duke Street

PATENT REEL: 029561 FRAME; 29339

Address Line 4: Alexandria, VIRGINIA 22314		
ATTORNEY DOCKET NUMBER:	401360US71	
NAME OF SUBMITTER:	Amna Raza	
Signature:	/Amna Raza/	
Date:	11/30/2012	
Total Attachments: 4 source=401360USCorrected #page1.tif		

RECEIPT INFORMATION

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EPAS ID:

PAT2184813

Receipt Date:

11/30/2012

Fee Amount:

\$40

401360US71

Assignment of Application

INSERT NAMES	WHEREAS, I (WE) 1) Avdhut S. JOSHI of Ann Arbor, MI				
AND RESIDENCE ADDRESS OF	2)	Michael R. JAMES of N	orthville, MI		
THE INVENTORS:	3)	Michael E. SAMPLES o	f Ann Arbor, MI		

			•		
•					
		<u></u>			

		<u> </u>			
					, respectively
INSERT TITLE OF INVENTION:	have invented certain no DIFFERENT MODAL	•	ents in: TRACKING	ON-ROAD VEHICLES WITH S	ENSORS OF
	(Application No.	13/556,802	, filed	July 24, 2012), and
INSERT NAME	WHEREAS, Toy	ota Motor Engineering &	Manufacturing North	America (TEMA)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
AND ADDRESS OF COMPANY OR OTHER ASSIGNEE	United States of Ameri	ca is desirous of acquirin	g the entire right, title	ss at: 25 Atlantic Avenue, Erlan and interest in and to said invent and its territorial possessions ar	ion and in and to

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

07/09

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 10/03/2012	Hiorn		
	(Signature of Inventor) Avdhut S. JOSHI		
Date: 10/02/2012	nde		
	(Signature of Inventor) Michael R. JAMES		
Date: 10 /8 / 12	1225		
	(Signature of Inventor) Michael E. SAMPLES		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

07/09

Wednesday, October 03, 2012

RECORDED: 01/02/2013

PATENT REEL: 029561 FRAME: 0333