502119210 11/06/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
Kazuyuki YAMAGUCHI	10/11/2012		
Takuya HASEGAWA	10/03/2012		

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI			
Street Address:	2-1, Toyoda-cho			
City:	Kariya-shi, Aichi-ken			
State/Country:	JAPAN			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13696447

CORRESPONDENCE DATA

Fax Number: 2022937860

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

Phone: 2022937060

Email: aauerbach@sughrue.com, sughrue@sughrue.com

Correspondent Name: Sughrue Mion PLLC

Address Line 1: 2100 Pennsylvania Ave NW

Address Line 2: Suite 800

Address Line 4: Washington, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER:

Q143344

NAME OF SUBMITTER:

Alexander E. Auerbach, New App. Spec.

Total Attachments: 1

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PATENT REEL: 029249 FRAME: 0631 OF \$40.00 15686447

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

KABUSHIKI KAISHA TOYOTA JIDOSHOKKI

(hereinafter referred to as "ASSIGNEE"), which has a business office at

2-1, Toyoda-cho, Kariya-shi, Aichi-ken, Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

(File	No.)	for	which	I(we)	have	exe	ecuted	an	applic	ation
for a	United	States	Lett	ers	Patent	on	Octobe	r 3	and 11	, 20	012	
(Appl:	ication	Serial	No.	13/69	96,447	fi	led or	1 N	lovemb	er (6, 2012)

- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.
- 3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) Kazuyulci Yamaguchi	Date:_	Oct. 11,2012
Name: Kazuyuki YAMAGUCHI Takuya Hasegawa	Date:	Oct.3, 2012
Name: Takuya HASEGAWA	•*****	
Witness: Yoshiv Kadukawa	Date:_	Oct. 12, 2012

PATENT REEL: 029249 FRAME: 0632

RECORDED: 11/06/2012