505807085 12/06/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5853914

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
YU HOSHINO	11/19/2019		
KUNIHIKO JINNO	11/15/2019		

RECEIVING PARTY DATA

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA			
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City:	Toyota-shi, Aichi-ken			
State/Country:	Japan			
Postal Code:	471-8571			

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	16705349				

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	527118US
NAME OF SUBMITTER:	KIMBERLY ASHWELL
SIGNATURE:	/Kimberly Ashwell/
DATE SIGNED:	12/06/2019

Total Attachments: 2

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PATENT 505807085 REEL: 051198 FRAME: 0716

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

TOYOTA JIDOSHA KABUSHIKI KAISHA

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

1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 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:

DEFROSTING CONTROL SYSTEM, NON-TRANSITORY COMPUTER READABLE MEDIUM STORING DEFROSTING CONTROL PROGRAM, AND VEHICLE CONTROL MODULE for which I(we) have executed an application for a United States Letters Patent on November 19, 2019 _. (Application Serial No._____ filed on _____

- 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.

	Sigr				indicated	beside	my(our)	signature(s).	
1)		yu	Hon	hino		Date:	November	19,2019	
N	ame:	Yu HO	SHIN	0					_
2)_						Date:			
N	(ame:	Kunih	iko .	JINNO					
Wit	ness;					Date:			

PATENT REEL: 051198 FRAME: 0717

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

TOYOTA JIDOSHA KABUSHIKI KAISHA

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

1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 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:

					RANSITORY COM				
STOR	RING DEFROS	STING C	ONTROL PR	OGF	RAM, AND VEHIC	LE CC	ONTROL MO	DDULE	
for wh	ich I (we)	have	executed	an	application	for	a Unițe	d Sta	tes
Letter	s Patent	on Nov	<u>/ember 20, 20</u>	019			(Applica	ation	Serial
No.		file	ed on)			

- 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)Name: Yu HOSHINO	Date:
2) Kunhake Jino Name: Kunikako JINNO	Date: November 15,2019
Witness: Hirotaka Sasaki	Date: November 20, 2019

PATENT REEL: 051198 FRAME: 0718

RECORDED: 12/06/2019