PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6433653

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOMAN RAHIM	10/22/2020
JIANG FENG YU	10/22/2020
BENJAMIN A. KENNEY	10/19/2020
MOHAMMED ANUSH NAYEEMULLAH	10/21/2020
FARBOD VAKILIMOGHADDAM	10/23/2020

RECEIVING PARTY DATA

Name:	DANA CANADA CORPORATION	
Street Address:	656 KERR STREET	
City:	OAKVILLE, ON	
State/Country:	CANADA	
Postal Code:	L6K 3E4	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16972536

CORRESPONDENCE DATA

Fax Number: (971)271-8021

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.

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Email: MCRdanapatents@mccrus.com

Correspondent Name: MCCOY RUSSELL LLP

Address Line 1: 1410 NW JOHNSON ST., STE 201
Address Line 4: PORTLAND, OREGON 97209

ATTORNEY DOCKET NUMBER:	DAN193187PCTUS / 81145400	
NAME OF SUBMITTER:	MARIE DOSICK	
SIGNATURE:	/Marie Dosick/	
DATE SIGNED:	12/04/2020	

Total Attachments: 5

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PATENT REEL: 054553 FRAME: 0154

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Attorney Docket Number DAN193187PCTUS/ 10398 LONG L18007

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	UNIFORMITY ON THERMAI		
This declaration is directed			
	ached application, or States application or PCT international a		n of the application filing date and
The above-identified app	lication was made or authorized to be made	de by me.	
I hereby state that I havincluding the claims.	e reviewed and understand the contents	of the specification	in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint invento	r of a claimed invention	on in the application.
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.			
Dana Canada Corporation Delaware, having its print the ASSIGNEE, its successors, in and to the investore successors, assigns or oth discoveries in any and almy name, at its or the serial/application numb 16/972,536 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissues.		nized and existing by nty of Lucas, and State attives, the entire right it in the case of	virtue of the laws of the State of e of Ohio, hereinafter referred to as ht, title and interest, domestic and ling the right of the ASSIGNEE, its letters Patent for the inventions and or their own name or names, or in SSIGNEE's attorney to insert the tters Patent herein: Serial No. leby sell, assign and set over to the priority, including any provisional and intergovernmental organizations occurrences.
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or or r Letters Patent of any and all kinds and form any and all acts which the ASSIGN ecure thereto the rights herein sold, assign	l in any and all count NEE, its successors, as	ries, entities and intergovernmental
And I hereby represent an	nd warrant that I have not granted any rigi	hts inconsistent with th	ne rights granted herein.
	at any willful false statement made in thinger than five (5) years or both.	is declaration is punisl	hable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV	ENTOR		Oct 22 2020
Inventor: Noman RA	HIM	Date:	OUI 22 2020
Signature:	Joseph	C	
	Sheet (PTO/SB/14 or equivalent), including	naming the entire inven	ntive entity, must accompany this form.
Has an additional dealeratio	n form for each additional inventor		

Attorney Docket Number DAN193187PCTUS/ 10398 LONG L18007

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

UNIFORMITY ON THERMAL INTERFACE MATERIAL	E
This declaration is directed to:	
The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date an number into this form when they become known.)	nd
The above-identified application was made or authorized to be made by me.	
I hereby state that I have reviewed and understand the contents of the specification in the above-identified application including the claims.	n,
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the pricapplication and the national or PCT international filing date of the continuation-in-part application.	
Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto Dana Canada Corporation, a Dana Incorporated subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Maumee, County of Lucas, and State of Ohio, hereinafter referred to a the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic art foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, i successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial Notes 16/972,536, Filing Date	of as and ts and in the all all all all all all all all all al
including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernment organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representative may deem necessary to secure thereto the rights herein sold, assigned and set over.	al
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fir or imprisonment of not more than five (5) years or both.	ne
LEGAL NAME OF INVENTOR Inventor: Fing Fong VII Data: 2020-10-22	
Inventor. <u>Jung Peng 10</u> Date.	
Signature:	
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form	n.

Automey Docket Number

DAN193187PCTUS/10398 LONG L18007

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	UTILIZATION OF DEAD CHANNEL TO IMPROVE TEMPERATURE UNIFORMITY ON THERMAL INTERFACE MATERIAL
This declaration is directed	
United	ached application, or States application or PCT international application number filed on(I hereby authorize the insertion of the application filing date and len they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I havincluding the claims	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1,56, including for lications, material information which became available between the filling date of the prior nal or PCT international filling date of the continuation-in-part application.
Dana Canada Corporation Delaware, having its print the ASSIGNEE, its such foreign, in and to the invalidations, assigns or of discoveries in any and a my name, at its or the retal/application, name 16/9/2/536. ASSIGNEE, its successapplications, in and to the including all application reexaminations and reasonable for including applications for including applications, and to perform the applications are applications, and to perform the applications, and to perform the applications are applications, and to perform the applications are applications.	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto on, a Dana Incorporated subsidiary, organized and existing by virtue of the laws of the State of incipal place of business at Maumee, County of Lucas, and State of Olio, hereinafter referred to as cessors, assigns or other legal representatives, the entire right, title and interest, domestic and remions and discoveries in the above identified invention including the right of the ASSIGNEE, its her legal representatives to make applications and to receive Letters Patent for the inventions and ill countries, entities and intergovernmental organizations, in its or their own name or names, or in eir election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the ser and filling date of the application to receive Letters Patent herein: Serial No. Filing Date December 4, 2020 , and I hereby sell, assign and set over to the sors, assigns or other legal representatives, all rights of priority, including any provisional ne inventions and discoveries in any and all countries, entities and intergovernmental organizations are claiming benefit of the filling date hereof, continuations, continuations-in-part, divisionals, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental reform any and all acis which the ASSIGNEE, its successors, assigns or other legal representatives secure thereto the rights herein sold, assigned and set over.
	and warrant that I have not granted any rights inconsistent with the rights granted herein.
	in Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, thus accompany this form, or form for each additional inventor.

Attorney Docket Number DAN193187PCTUS/10398 LONG L18007

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention UTILIZATION OF DEAD CHANNEL TO IMPROVE TEMPERATURE		
UNIFORMITY ON THERMAL INTERFACE MATERIAL		
This declaration is directed to:		
[X] The attached application, or		
 The attached application, or United States application or PCT international application number 		
filed on		
The above-identified application was made or authorized to be made by me.		
I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.		
Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto Dana Canada Corporation, a Dana Incorporated subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Maumee, County of Lucas, and State of Ohio, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. 16/972,536 Filing Date December 4, 2020), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.		
including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.		
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.		
LEGAL NAME OF INVENTOR		
Inventor: Mohammed Anush NAYEEMULLAH Date: 21/10/20		
Signature:		
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.		

RECORDED: 12/04/2020

Attorney Docket Number	DAN193187PCTUS/ 10398 LONG L18007

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention UTILIZATION OF DEAD CHANNEL TO IMPROVE TEMPERATURE
UNIFORMITY ON THERMAL INTERFACE MATERIAL
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The attached application, or United States application or PCT international application number
filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.)
The above-identified application was made or authorized to be made by me.
I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.
LEGAL NAME OF INVENTOR Invenior: Farbod VAKILIMOGHADDAM A A A A Date: 23-04-2020
Signature: Date: 25-001-2020
ANGUARAN.
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.