## 506452222 01/15/2021

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PART	Υ DATA			
		Name	Execution Date	
MANJUNATH BANN	IUR NAGAR	AJA	01/14/2021	
VENKATA R. TATIK	ONDA		01/12/2021	
BENJAMIN R. TOW	ER		01/14/2021	
RECEIVING PARTY	DATA			
Name:	CATER	RPILLAR INC.		
Street Address:	100 NE	ADAMS STREET, SUITE 100		
City:	PEORI	A		
State/Country:	ILLINO	IS		
Postal Code:	61629-9	9510		
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	/pe	Number 17150159		
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PATENT REEL: 054933 FRAME: 0277

## ASSIGNMENT

WHEREAS We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled.

FUEL INJECTOR HAVING DRY-RUNNING PROTECTION VALVE AND FUEL SYSTEM USING SAME

for which We will or have filed a patent application; and

WHEREAS, Caterpillar Inc., a corporation of the State of Delaware, having an address at 100 NE Adams Street, Peoria, Illinois 61629-9510 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged. We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, WE HEREBY authorize Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (<u>United States</u> Application No. <u>17/150,159</u>, filed January 15, 2021).

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR		DATE
Manjunath Bannur Nagaraja	Mangneer	01/14/2021
ADDRESS 4756 Clearwater Ln, Naperville IL 60564	•	спідемянія India

1. WITNESS NAME		WITNESS SIGNATURE	DATE
Adam	Hill	adam His	1-14-2021
address 1905 N	Nixon Vr. Pontia	c IC 61764	CITIZENSHIP USA

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Amaya Joshi	Agostr	01-14-2021
ADDRESS	unu Aat 13	CITIZENSHIP IN DTO
sefpnimael3	~ II2 - 61614	

## SOLE/JOINT INVENTION (Worldwide Rights) Attomey Docket No. 20-0823US01

2. FULL NAME OF SOLE OR SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Venkata R Tatikonda	- T.V. Colleger	0/12/2021
ADORESS 1801 W Cherry Bud Dr, <b>Apt 821</b> 3, Peoria II	., 61615	crozensone India

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Adam Hill	alden Afric	1-14-2021
ADDRESS 1705 NUCH NIYUS V-	Ph. Hine II 61764	CITIZENGHIP USA
	Y	

2. WITNESS NAME	WITNESS SIGNATURE	DATE
prneya Joshi	Holm.	01-14-2021
ADDRESS 1042 bobalink innu	no+13	CITIZENSHIP
bloominaton	IL-61614	AIGME
$\circ$		

3. FULL NAME OF THIRD ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Benjamin R Tower	Bugen R. Ten	1-14-2021
ADDRESS 2449 County Road 800 N. Varna, IL 61375		CITIZENSHIP United States
		USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE:
Adam Hill	adam Iti	1-14-202
ADDRESS 1405 N. NYXIM Dr. Pointic	10, IL 61764	CITIZENSHIP USA

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Drunga Joshi	A-jesti-	01-14-2021
ADDRESS 1042 Bobolink	Way ARtiz	CITIZENSHIP
Blaoministo	$n \frac{S}{TL} - 61614$	TNDIA
(A)	www.www.www.www.www.www.www.www.www.ww	

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