503235593 03/25/2015

EPAS ID: PAT3282211

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANA R. COLDREN	03/25/2015
SANA MAHMOOD	03/25/2015

RECEIVING PARTY DATA

Name:	CATERPILLAR INC.	
Street Address:	100 N.E. ADAMS STREET	
Internal Address:	INTELLECTUAL PROPERTY DEPARTMENT	
City:	PEORIA	
State/Country:	ILLINOIS	
Postal Code:	61629-9510	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14668478

CORRESPONDENCE DATA

Fax Number: (202)408-4400

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.

Phone: 202-408-4000

Email: faxserve@finnegan.com

Correspondent Name: CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.

Address Line 1:901 NEW YORK AVENUE, NWAddress Line 4:WASHINGTON, D.C. 20001-4413

ATTORNEY DOCKET NUMBER:	08350.1764-00000
NAME OF SUBMITTER:	VIRGINIA MCNELIS-CLARK
SIGNATURE:	/Virginia McNelis-Clark/
DATE SIGNED:	03/25/2015

Total Attachments: 4

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PATENT 503235593 REEL: 035255 FRAME: 0350

ASSIGNMENT

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

DUAL-STAGE CRYOGENIC PUMP

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

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 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, I/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, my/our entire right, title, and interest in and to this invention, provisional application Serial No
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/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, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (, filed).
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR ASSIGNOR'S SIGNATURE

Dana R. COLDREN

ADDRESS
450 County Road 1975 E, Secor, IL 61771

DATE

J-25-/5

Citizenship
USA

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ADDRESS NAME PAULU POZENS ADDRESS 1700 W HICKORY GA QUENLAP. IL 6153	Thur Cozeno	3/25/15
ADDRESS		10770
1700 W HICKORY Grove		CITIZENSHIP Y-USA
Quentap. 2 6153	15	
52	1	DATE / /
P	WITNESS SIGNATURE	3/25/15
ADDRESS CONNEGHAN DEIVE		CITIZENSHIP 2/3/-/
GRAVELAND, IL 6/83		
2. FULL NAME OF SECOND ASSIGNOR		
	ASSIGNOR'S SIGNATURE	DATE
Sana Mahmood		
ADDRESS 2325 W. Kenfield Court, Peoria, IL 61615		CITIZENSHIP PAKISTAN
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
		DATE:
ADDRESS		CITIZENSHIP

ASSIGNMENT

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

DUAL-STAGE CRYOGENIC PLIMP

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

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL. 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, I/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, my/our entire right, title, and interest in and to this invention, provisional application Serial No._______ filed _______ 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 patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We 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, IWE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment; AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/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, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this

Page 1 of 2

PATENT REEL: 035255 FRAME: 0353

1. WITNESS NAME	WITNESS SIGNATURE	DATE

ADDRESS		CITIZENSHIP
2. Witness Name	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
<i>y</i>		
2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Sana Mahmood	Some Mahmood	25th March-2015
ADDRESS 2325 W. Kenfield Court, Peoria, IL 61615		citizenship PAKISTAN
1. WITNESS NAME	WITNESS SIGNATURE	DATE
Joshna Carlson	Testen Contin	3-25-2015
Joshna Carlson John Galm ADDRESS W Melbourne Ave. Peonia, II 61604		CITIZENSHIP USA
2. WITNESS NAME	WITNESS SIGNATURE /	DATE
Jona Unes	John Land	3/25/2015
ADDRESS		CITIZENSHIP
1003 N MANNING DR	CHULLOTIE, IL VISZ3	VSA