504186715 01/19/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4233390

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK D. VELIZ	12/22/2016
CAIAN QIU	12/23/2016
THOMAS J. YANIAK	01/12/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15389723

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

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

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

ATTORNEY DOCKET NUMBER:	08350.2379-00000
NAME OF SUBMITTER:	MITTY A. WATTERS
SIGNATURE:	/Mitty A. Watters/
DATE SIGNED:	01/19/2017

Total Attachments: 9

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> **PATENT REEL: 041018 FRAME: 0752**

504186715



PATENT REEL: 041018 FRAME: 0753

ASSIGNMENT

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

mighiemfe	KATUKE ALLUY FUK CASTING ENGINE VA	LVES
as disclosed and claimed in application fo Trademark Office on	r United States Letters Patent which was filed i (Application No); and	n the United States Patent and
Peoria, IL 61629-9510 (hereinafter referre	orporation of Delaware whose post office addre ed to as Assignee), is desirous of securing the tent application for this invention and any and a	entire right, title, and interest in
hereby acknowledged, I, as Assignor, hav and set over unto the Assignee, its lawful invention, this application, all non-provisio continuations thereof, and all patents whic priority in any country or jurisdiction or pat may hereafter be filed for this invention in on this invention in any country or jurisdict hereby authorize and request any official or	that for good and valuable consideration the re- re sold, assigned, transferred, and set over, and successors and assigns, my entire right, title, a mal applications claiming the benefit of this app ch may be granted thereon, and all reissues the tent office on the basis of this application, and a any country or jurisdiction or patent office and tion or patent office, and all extensions, renewa of any country or jurisdiction or patent office wh all patents for this invention to Assignee, its su- nent;	d do hereby sell, assign, transfer, and interest in and to this blication, and all divisions, and ereof, as well as all rights to claim all applications for patents which all patents which the granted als, and reissues thereof; and I note duty it is to issue patents on
AND, I HEREBY covenant that I h not executed and will not execute any agn	nave the full right to convey the interest assigne eement in conflict with this Assignment;	d by this Assignment, and I have
its successors and assigns, any facts known lawful papers when called upon to do so, a perfect the title to this invention in said Association, and reissue applications, mand successors and assigns, to obtain and entipatent office, it being understood that any Assignee, its successors and assigns;	and agree that I will, without further considerate with the respecting this invention, and testify in execute and deliver any and all papers that massignee, its successors or assigns, execute all riske all rightful oaths and generally do everything force proper patent protection for this invention expense incident to the execution of such papers.	n any legal proceeding, sign all ly be necessary or desirable to lon-provisional, divisional, g possible to aid Assignee, its in any country or jurisdiction or
IN TESTIMONY WHEREOF, I have	ve nereunio set my nanos.	
FULL NAME OF FIRST ASSIGNOR Mark D. Veliz	ASSIGNOR'S SIGNATURE	12/22/16
ADDRESS 25 Briarwood Lane, Metamora, IL	. 61548	CITIZENSHIP USA
***************************************	***************************************	

Page 1 of 3

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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1		
2 WITNESS NAME Ludrew Steinmetz	WITNESS SIGNATURE	DATE 2/22/10
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	,	T
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
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3. FULL NAME OF THIRD ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Thomas J. Yaniak		
ADDRESS 609 Evergreen Drive, Washington, IL 61571		CITIZENSHIP USA
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
	3	

ASSIGNMENT

WHEREAS I, the below named inventor [hereinafter referred to as Assignor], have made an invention entitled.

HIGH TEMPERATURE ALLOY FOR CASTING ENGINE VALVES

as disclosed and claimed in application for U Trademark Office on	inited States Letters Patent which was filed (Application No); and	in the United States Patent and
WHEREAS, Caterpillar Inc., a corp Peoria, IL 61629-9510 (hereinafter referred and to this invention, and in and to the pater application throughout the world;	oration of Delaware whose post office addresto as Assignee), is desirous of securing the it application for this invention and any and	entire right, title, and interest in
NOW THEREFORE, be it known that hereby acknowledged, I, as Assignor, have a and set over unto the Assignee, its lawful su invention, this application, all non-provisions continuations thereof, and all patents which priority in any country or jurisdiction or pater may hereafter be filed for this invention in an on this invention in any country or jurisdictio hereby authorize and request any official of applications as described above, to issue all accordance with the terms of this Assignme	ocessors and assigns, my entire fight, title, if applications claiming the benefit of this ap may be granted thereon, and all reissues the it office on the basis of this application, and ny country or jurisdiction or patent office and n or patent office, and all extensions, renew any country or jurisdiction or patent office was patents for this invention to Assignee, its s	nd do hereby sell, assign, transfer, and interest in and to this iplication, and all divisions, and hereof, as well as all rights to claim all applications for patents which diall patents which may be granted vals, and reissues thereof, and I shows duty it is to issue patents on
AND, I HEREBY covenant that I have not executed and will not execute any agree	ve the full right to convey the interest assignment in conflict with this Assignment.	ed by this Assignment, and I have
AND, I HEREBY further covenant a its successors and assigns, any facts knowlewful papers when called upon to do so, experfect the title to this invention in said Assi continuation, and reissue applications, mak successors and assigns, to obtain and enformation of the patent office, it being understood that any examples, its successors and assigns;	recute and deliver any and all papers that fr gnee, its successors or assigns, execute all e all rightful eaths and generally do everyth me proper patent protection for this invention	r in any legal processing, sign sal hay be necessary or desirable to I non-provisional, divisional, ing possible to aid Assignee, its in in any country or jurisdiction or
IN TESTIMONY WHEREOF, I have	e hereunto set my hands	
FULL NAME OF FIRST ASSIGNOR Mark D. Veliz	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 25 Briarwood Lane, Metamora, IL	61548	CITIZENSHIP USA
	each III - Agus Commission (1996) - 1000 Ann 1986	

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2 WITNESS NAME	WITNESS SIGNATURE	DATE
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1. WITNESS NAME Weijia Tonz	WITNESS SIGNATURE Weike	DATE (2/4), 2016
ADDRESS 2108 Emerald Dr.		CITIZENSHIP U.S.A
2. WITNESS NAME	WITNESS SIGNATURE	DATE
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ADDRESS 4512 (12044 12/64)	(/ Chronpuza, IL 61822	CITIZENSHIP U.S.A
711		

3. FULL NAME OF THIRD ASSIGNOR Thomas J. Yaniak	ASSIGNOR'S SIGNATURE	DATE
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1, WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

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

HIGH TEMPERATURE ALLOY FOR CASTING ENGINE VALVES

as disclosed and claimed in application for t Trademark Office on	Jnited States Letters Patent which was (Application No)	filed in the United States Patent and and
WHEREAS, Caterpillar Inc., a corp Peorla, IL 61629-9810 (hereinafter referred and to this invention, and in and to the pater application throughout the world;	oration of Delaware whose post office to as Assignee), is desirous of securin it application for this invention and any	g the entire fight, title, and interest in
NOW THEREFORE, be it known the hereby acknowledged. It as Assignor, have and set over unto the Assignee, its lawful su invention, this application, all non-provisions continuations thereof, and all patents which priority in any country or jurisdiction or pater may hereafter be filed for this invention in an on this invention in any country or jurisdiction hereby authorize and request any official of applications as described above, to issue all accordance with the terms of this Assignme	iccessors and assigns, my entire right, all applications claiming the benefit of the may be granted thereon, and all reissunt office on the basis of this application my country or jurisdiction or patent office, and all extensions, rany country or jurisdiction or patent office, and all extensions, rany country or jurisdiction or patent office, and sountry or jurisdiction or patent office.	er, and do hereby sell, assign, trensfer, fitte, and interest in and to this is application, and all divisions, and es thereof, as well as all rights to claim, and all applications for patents which and all patents which may be granted enewals, and reissues thereof; and I ice whose duty it is to issue patents on
AND, I HEREBY covenant that I have not executed and will not execute any agree	ve the full right to convey the interest a ament in conflict with this Assignment;	asigned by this Assignment, and I have
AND, I HEREBY further covenant a its successors and assigns, any facts known lawful papers when called upon to do so, experfect the title to this invention in said Assignation, and reissue applications, make successors and assigns, to obtain and enforpatent office, it being understood that any exastignee, its successors and assigns;	n to me respecting this invention, and to tecute and deliver any and all papers to gnee, its successors or assigns, execute all rightful caths and generally do eve rce proper patent protection for this inv	iat may be necessary or desirable to te all non-provisional, divisional, rything possible to aid Assignes, its ention in any country or Jurisdiction or
IN TESTIMONY WHEREOF, I have	hereunto set my hands.	* ()
FULL NAME OF FIRST ASSIGNOR Mark D. Veliz	ASSIGNOR'S SIGNATURE	DATE
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}		

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	**************************************	CITIZENSHIP
2. FULL NAME OF SECOND ASSIGNOR Caian Qiu	ASSIGNOR'S SIGNATURE	DATE
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
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ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR Thomas J. Yaniak	ASSIGNOR'S SIGNATURE	DATE (/(2/17)
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2. WITNESS NAME Michel A. Pershau	WITNESS SIGNATURE	DATE ///2//7
ADDRESS 4 Woodview Cl., Wasdingten, 14 61571		CÍTIZENSHIP
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