# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

on v1.1 EPAS ID: PAT4473112

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
AMARA FEZOUA	02/27/2017
NIK LYGEROS	03/09/2017
ISABELLE PITAULT	03/01/2017
FREDERIC BORNETTE	02/27/2017

# **RECEIVING PARTY DATA**

Name:	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	
Street Address: 3 RUE MICHEL ANGE		
City:	PARIS	
State/Country:	FRANCE	
Postal Code:	75016	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number			
Application Number:	15314853			

## **CORRESPONDENCE DATA**

**Fax Number:** (713)624-8950

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:** 713-624-8953

Email: NEVA.DARE-SC@AIRLIQUIDE.COM

Correspondent Name: AIR LIQUIDE USA LLC
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Address Line 4: HOUSTON, TEXAS 77024

ATTORNEY DOCKET NUMBER:	S9954
NAME OF SUBMITTER:	NEVA DARE
SIGNATURE:	/Neva Dare/
DATE SIGNED:	06/22/2017

# **Total Attachments: 4**

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## Assignment of Invention

WHEREAS [IWE], FEZOUA Amara, LYGEROS Nik, BORNETTE Frédéric, and PITAULT isabelle have invented certain new and useful improvements documented in a patent application entitled "CATALYST WITH AN EXTERNAL SHAPE IMPROVING THE HYDRODYNAMIC OF REACTORS" for which a United States patent application was filed on November 29, 2016 having Application No. 15/314,853

WHEREAS, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, a French corporation having offices at 3 Rue Michel Ange, 75016 Paris, FRANCE (hereinafter referred to as "ASSIGNEE"), desires to acquire from FEZOUA Amara, LYGEROS Nik, BORNETTE Frédéric, and PITAULT Isabelle the entire right, title and interest [IVVE] have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, [WE], by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions, including the right to claim priority of the above-mentioned patent application(s), and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, continuations-in-part, reexaminations, substitutions and renewals thereof.

[I/WE] hereby authorize and request the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, [I/WE] agree that [I/WE] will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification, INCLUDING ANY SUBSEQUENT DATE OF APPLICATION FILING AND THE APPLICATION SERIAL NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>21/02/2015</u>	<u> </u>		
	FEZOUA Amara, (Inventor)		
Date:	LYGEROS Nik, (Inventor)	*******	
Date:		*********	
_	BORNETTE Frédéric, (Inventor)		
Dale:	PITAULT isabelle, (inventor)	***************************************	

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Date:	FEZOUA Amara, (Inventor)
Date: <u>4/03/94</u> 7	N. Gganas
	LYGEROS Nik, (Inventor)
Date:	BORNETTE Frédéric, (Inventor)
Date:	
	PITAULT Isabelle, (Inventor)

## Assignment of Invention

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States	patent	application	was	filed or	Nove	<u>nber 29.</u>	2016	·························	having	Applicatio	n No.
15/314											

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Date:		
		FEZOUA Amara, (Inventor)
Date:		
auracau.		LYGEROS Nik, (inventor)
Date:	······································	BORNETTE Frédéric, (Inventor)
Date:	March last	425
	,	PiTAULT Isabelle, (Inventor)

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Date:		FEZOUA Amara, (Inventor)
Date:		LYGEROS Nik, (Inventor)
Date:	27/02/17	BORNETTE Frédéric, (Inventor)
Date:		