#### 503590195 12/01/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3636825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BRIAN A. KNAPPER	11/12/2015
CHRISTIAN W. SCHROETER	11/12/2015
ROBERT W. SKWAROK	11/12/2015
NICHOLAS PROCIW	10/30/2015
JENNIFER MCMILLAN	11/12/2015

### RECEIVING PARTY DATA

Name:	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY
Street Address:	1545 ROUTE 22 EAST
Internal Address:	P.O. BOX 900
City:	ANNANDALE
State/Country:	NEW JERSEY
Postal Code:	08801-0900

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

Property Type	Number	
Application Number:	14955134	

### **CORRESPONDENCE DATA**

Fax Number: (908)730-3649

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kimberly.m.shapiro@exxonmobil.com Email:

EXXONMOBIL RESEARCH AND ENGINEERING CO. **Correspondent Name:** 

**1545 ROUTE 22 EAST** Address Line 1:

Address Line 2: P.O. BOX 900

Address Line 4: ANNANDALE, NEW JERSEY 08801-0900

ATTORNEY DOCKET NUMBER:	2014EM357-US2
NAME OF SUBMITTER:	CHAD A. GUICE
SIGNATURE:	/Chad A. Guice/
DATE SIGNED:	12/01/2015

**PATENT REEL: 037176 FRAME: 0354** 503590195

### **Total Attachments: 3**

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PATENT REEL: 037176 FRAME: 0355

Application	Serial No	<sub>0</sub> . 14/955,134	
		0.74 (77) 10.04	

LIVING INCHES INC.

EMRE Docket No. 2014EM357-US2

ASSIGN	MENT
INVENTOR or	INVENTORS:

Brian A. KNAPPER

Christian W. SCHROETER

Robert W. SKWAROK

Nicholas PROCIW

Jennifer McMILLAN

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to <a href="ExxonMobil Research and Engineering Company">Exxon Research and Engineering Company</a>), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

#### FLUID INJECTION NOZZLE FOR FLUID BED REACTORS

	30th		October	2015	
said application having been executed on the	12th	day(s) of _	November	ر2015 ب	and being further
dentified as EMRE Docket No. 2014EM357-	-US2; all rights o	f priority creat	ed by said applic	ation under	provisions of
nternational convention or treaties.					

- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been heid and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date_12- Nov -2015	Inventor 2 (LS)	Witness Ognavi M. M. M. Clar
Date 12/NOV /2015	Brian A. Kylapper  Inventor (LS) Christian W. Schroeter	Wilness January 9 1000
Date_N3312/15	Inventor	Witness Janes Millon
Date	Inventor(LS) Nicholas Prociw	Witness

\*27810\* 27810 PATENT TRADEMARK OFFICE

				Applica	tion Serial No	. 14/955,134
				EMI	RE Docket No	. 2014EM357-US2
	••••	ASSIG	NMENT r INVENTO	RS:		
Brian A. KNAPPER	Christian W. S			w. skwarob	C Nic	cholas PROCIW
	Jennifer Me		1100111		2	
For good and valuable conside agree(s) as follows:	ration, the undersi	gned person(s)	named above	, herein referred	I to as UNDERS	IGNED, hereby
<ol> <li>UNDERSIGNED he Engineering Company), a corp as ASSIGNEE, the entire right invention or improvement and entitled</li> </ol>	oration of Delawa , title and interest,	re, its successor for the United	rs, legal repre States and all	sentatives and a foreign countri	ssigns, herein re	ferred to collectively DERSIGNED's
	FLUID INJECT	ION NOZZLE	FOR FLUID	BED REACTO	RS	
said application having been e identified as EMRE Docket N- international convention or tre	5. 2014EM357-US	30th 12th 2; all rights of	day(s) of priority create	October November d by said applic	, 2015, and	being further visions of
<ol> <li>UNDERSIGNED ag relating to obtaining patents as applications or substitutes ther recording in the United States expedient.</li> </ol>	d the prosecution to the deferring of the deferring of the desired of the deferring of the	thereof for said is thereof, and a	invention or my specific se	improvement, a eparate assignm	nd any continua ents of any of th	tions of such e above required for
UNDERSIGNED ag patent issued thereon, or any r UNDERSIGNED will coopera executing all documents and g	sissue or application to with ASSIGNE	on for the reissu E to the best of	e thereof, bed the ability of	coming involved UNDERSIGNI	l in priority of ir	vention proceedings,
UNDERSIGNED as and foreign patents covering s and as entirely as the same wo	aid invention or im	provement and	to vest all rig	thts therein here	by conveyed to	ASSIGNEE, as fully
5) UNDERSIGNED hexecuted the Declaration for the	ereby authorize(s) se above-reference	ASSIGNEE to d patent applica	insert in this	instrument the c	date(s) on which	UNDERSIGNED
IN WITNESS WHEREOF, th NAME.	s assignment has t	een executed b	y UNDERSI	GNED on the di	ate opposite UN	DERSIGNED's
Date	InventorBrian	A. Knapper		_(LS) Witne	622	

(LS)

(LS)

Witness

Witness

Witness

Inventor Christian W. Schroeter

Inventor /////
Nicholas Prociw

Robert W. Skwarok

Inventor

Page I of 2

Date 10/30/2015

Date

PATENT REEL: 037176 FRAME: 0357

### \*27810\* 27810 PATENT TRADEMARK OFFICE

Application Serial No.	14/955,134
EMBE Backet Na	2014EM357-US2

# ASSIGNMENT INVENTOR or INVENTORS:

Brian A. KNAPPER

Christian W. SCHROETER

Robert W. SKWAROK

Nicholas PROCIW

Jennifer McMILLAN

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international convention or treaties.					

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- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date <u>Nev 12 2015</u>	Inventor (Language / 1965 / 1965 (LS) Lennifer McMILLAN	Withess
Date	Inventor(LS)	Witness
Date	Inventor(LS)	Witness
Date	Inventor(LS)	Witness

Page 2 of 2

PATENT REEL: 037176 FRAME: 0358

**RECORDED: 12/01/2015**