PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mr. Mark P. Lapinski	04/18/2008
Mr. Gregory J. Gajda	04/17/2008
Mr. Jeffry T. Donner	04/18/2008
Mr. Richard R. Rosin	04/22/2008
Mr. Marc R. Schreier	04/17/2008
Mr. Simon R. Bare	04/21/2008

RECEIVING PARTY DATA

Name:	UOP LLC
Street Address:	25 E. Algonquin Rd.
Internal Address:	P.O. Box 5017
City:	Des Plaines
State/Country:	ILLINOIS
Postal Code:	60017-5017

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12104482

CORRESPONDENCE DATA

500525891

Fax Number: (847)391-2387

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 847-391-2137

Email: Maryann.Maas@uop.com

Correspondent Name: Attn. Maryann Maas, UOP LLC

Address Line 1: 25 E. Algonquin Rd. Address Line 2: P.O. Box 5017

Address Line 4: Des Plaines, ILLINOIS 60017-5017

ATTORNEY DOCKET NUMBER: H0018334

PATENT

REEL: 020871 FRAME: 0177

≓OP \$40.00 12104

NAME OF SUBMITTER:

James E. Ruland, Reg. No. 37,432

Total Attachments: 6

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PATENT REEL: 020871 FRAME: 0178

Wal P. Fapinili	State of Illinois; County of Cook This instrument was acknowledged before me on this/8 thus	(SEAL)
afail P. Japanian	This instrument was acknowledged before me on this/ 0 day of, 20 O \(\int \), by Mark P. Lapinski .	\$2000000000000000000000000000000000000
Mark P. Lapinski April 18, 2908 Date	• • • • • • • • • • • • • • • • • • •	OFFICIAL SEAL ARLENE J OHMAN
Date 18, 2008	Cerlene J. Ohman Notary Public	NOTARY PUBLIC - STATE OF ILLI
, Date		MY COMMISSION EXPIRES:03/20
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of, 20, by Richard R. Rosin.	
Richard R. Rosin	, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of	
Gregory J. Gajda	, 20, by Gregory J. Gajda .	
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of	
Marc R. Schreier	, 20, by Marc R. Schreier.	
Date		
	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of	
Jeffry T. Donner	, 20, by Jeffry T. Donner.	
Date		
Date	Notary Public	_
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of	
Simon R. Bare	, 20, by Simon R. Bare.	
Date	Notary Public	

U.S. Utility Application No. ______ filed _____ filed _____ (Rev. 03/23/07)

	State of Illinois; County of Cook	(SEAL)
Mark P. Lapinski	This instrument was acknowledged before me on this day of, 20, by Mark P. Lapinski.	
Date	Notary Public	
Righard R. Rosin Date	State of Illinois; County of Cook This instrument was acknowledged before me on this 22 day of	(SEAOFFICIAL SEAL" Margherita M. Laricchia Notary Public, State of Illinois My Commission Exp. 09/24/2008
Gregory J. Gajda	State of Illinois; County of Cook This instrument was acknowledged before me on this day of, 20, by Gregory J. Gajda.	(SEAL)
Date	Notary Public	
Marc R. Schreier	State of Illinois; County of Cook This instrument was acknowledged before me on this day of, 20, by Marc R. Schreier.	(SEAL)
Date	— Notary Public	
Jeffry T. Donner	State of Illinois; County of Cook This instrument was acknowledged before me on this day of, 20, by Jeffry T. Donner.	(SEAL)
Date	Notary Public	
Simon R. Bare	State of Illinois; County of Cook This instrument was acknowledged before me on this day of, 20, by Simon R. Bare.	(SEAL)
Date	Notary Public	

U.S. Utility Application No. 12/104,482 filed 17 April 2008 (Rev. 03/23/07)

	State of Illinois; County of Cook	(SEAL)
Mark P. Lapinski	This instrument was acknowledged before me on this day of, 20, by Mark P. Lapinski.	
main r. Lapinski		
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of, 20, by Richard R. Rosin .	
Richard R. Rosin		
Date	Notary Public	
9 19 1	State of Illinois; County of Cook	(SEAL)
Gregory A. Garda / H/17/08 Date	This instrument was acknowledged before me on this day of APK,, 2000_, by Gregory J. Gajda. Notary Public	OFFICIAL SEAL WANDA I CROCKER NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:01/29/11
	State of Illinois; County of Cook	(SEAL)
Marc R. Schreier	This instrument was acknowledged before me on this day of, 20, by Marc R. Schreier.	
Date		
Date	Notary Public	
	State of Illinois; County of Cook This instrument was acknowledged before me on this day of	(SEAL)
Jeffry T. Donner	, 20, by Jeffry T. Donner .	
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of, 20, by Simon R. Bare .	
Simon R. Bare	, 20, by Simon K. Date.	
Date	Notary Public	

	State of Illinois; County of Cook This instrument was acknowledged before me on this	day of	(SEAL)
Mark P. Lapinski	, 20, by Mark P. Lapinski	_ 00, 0.	
Date	Notary Public		
	State of Illinois; County of Cook		(SEAL)
Richard R. Rosin	This instrument was acknowledged before me on this, 20, by Richard R. Rosin .	_ day of	
Date	Notary Public		
	State of Illinois; County of Cook		(SEAL)
Gregory J. Gajda	This instrument was acknowledged before me on this, 20, by Gregory J. Gajda.	_ day of	
Date	Notary Public		
Marc R: Schreier 04-17-08 Date	State of Illinois; County of Cook This instrument was acknowledged before me on this 17th april , 2008, by Marc R. Schreier. Justin Joseph	{	(SEAL) "OFFICIAL SEAL" Susan Prosek Notary Public, State of Illinois My Commission Exp. 08/05/2008
	Notary Public State of Illinois; County of Cook This instrument was acknowledged before me on this	day of	(SEAL)
Jeffry T. Donner	, 20, by Jeffry T. Donner .		
Date	Notary Public		
Simon R. Bare	State of Illinois; County of Cook This instrument was acknowledged before me on this, 20, by Simon R. Bare .	day of	(SEAL)
Date	Notary Public		

ASSIGNMENT

WHEREAS, Mark P. Lapinski, a citizen of US, residing in Aurora, IL; Richard R. Rosin, a citizen of US, residing in Glencoe, IL; Gregory J. Gajda, a citizen of US, residing in Mt. Prospect, IL; Marc R. Schreier, a citizen of US, residing in Northbrook, IL; Jeffry T. Donner, a citizen of US, residing in Aurora, IL; and Simon R. Bare, a citizen of US, residing in Wheaton, IL; and hereinafter referred to as "the inventors" have invented certain new and useful improvements in PROCESS AND SYSTEM FOR THE TRANSFER OF A METAL CATALYST COMPONENT FROM ONE PARTICLE TO ANOTHER. WHEREAS, the inventors hereby authorize and request their attorney/agent of record to have inserted on each page (where indicated below) the filing date and application number of said application when known; and WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, any corresponding foreign patent application disclosing the same invention and the Letters Patents of the United States and foreign countries that may be issued thereon. NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the inventors do hereby transfer, set over and assign unto UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns. IN WITNESS WHEREOF, the inventors have set their signatures hereunto on the date specified below.

State of Illinois; County of Cook This instrument was acknowledged before me on this day of	
Date Notary Public	
Richard R. Rosin Date This instrument was acknowledged before me on thisday of, 20, by Richard R. Rosin. Notary Public State of Illinois; County of Cook (SEAL)	
Richard R. Rosin Date This instrument was acknowledged before me on thisday of, 20, by Richard R. Rosin. Notary Public State of Illinois; County of Cook (SEAL)	
Richard R. Rosin Date Notary Public State of Illinois; County of Cook (SEAL)	
Date Notary Public State of Illinois; County of Cook (SEAL)	
State of Illinois; County of Cook (SEAL)	
(OLAL)	
This instrument was acknowledged before me on this day of, 20, by Gregory J. Gajda .	
Gregory J. Gajda	
Date Notary Public	
State of Illinois; County of Cook (SEAL)	
State of Illinois; County of Cook This instrument was acknowledged before me on this day of	
Marc R. Schreier	
Date	
Notary Public	
State of Illinois; County of Cook (SEAL)	
This instrument was acknowledged before me on this law of	
Jeffry T. Donner OFFICIAL SEAL	~~
4/18/2008 NOTARY PUBLIC - STATE OF ILLI	VOIS
Notary Public MY COMMISSION EXPIRES:01/29	<i>)</i> /11
State of Illinois; County of Cook (SEAL)	~~
This instrument was acknowledged before me on this day of	
Simon R. Bare	
Date Notary Public	

U.S. Utility Application No. 12/104,482 filed 17 April 2008 (Rev. 03/23/07)

	State of Illinois; County of Cook	(SEAL)
Mark P. Lapinski	This instrument was acknowledged before me on this day of, 20, by Mark P. Lapinski.	
maik F. Lapinski		
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of, 20, by Richard R. Rosin.	
Richard R. Rosin	3, 100	
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of 20, by Gregory J. Gajda.	
Gregory J. Gajda	, by Gregory C. Gajda.	
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of, 20, by Marc R. Schreier.	
Marc R. Schreier	· , zo, sy mare 11. comoler.	
Date	Notary Public	
	State of Illinois; County of Cook	(SEAL)
	This instrument was acknowledged before me on this day of	(OLAL)
Jeffry T. Donner	, 20, by Jeffry T. Donner .	
Date	Notary Public	
· · · · · · · · · · · · · · · · · · ·	State of Illinois: County of Cook	SEAL)
Smille	This instrument was acknowledged before me on this 2157 day of APRIL . 2008, by Simon R. Bare.	
Simon R. Bare	Warda J. (Nocker Notary Public	OFFICIAL SEAL WANDA I CROCKER NOTARY PUBLIC - STATE OF ILLINOIS
, paie		MY COMMISSION EXPIRES:01/29/11

U.S. Utility Application No. 12/104,482 filed 17 April 2008 (Rev. 03/23/07)

PATENT REEL: 020871 FRAME: 0184