U.S. PTO 11/792285 07/11/2007

U.S. Department of Commerce United States Patent and Trademark Office

RE

07-23-2007

ET

K		
Our Ref.: BHD-4662-544		
To the Director of the U.S. Patent and Trad	103429276	ents or converters of
1. Name of conveying party(ies):	2. Name and address of receiving	ents of copy thereof.
l Jozef Hubert MEESSEN	2. Name and address of receiving	g party(ies).
l e e e e e e e e e e e e e e e e e e e	1) Name: DSM IP Assets B.V	
2 Axel ERBEN	1) Name: DSM IP Assets B.V Street Address: Het Overloo	
3. John KRIJGSMAN		11 1
4 Winfried LIEBIG	City: TE HEERLEN	
	State/Country: The Netherla	ands Zip: 6411
Additional name/s of conveying party/ies a		•
3. Nature of conveyance:	2) Name Uhde Gmbh	
☐ Assignment ☐ Merger	Street Address: Friedrich-Uh	ide-Strasse 15
	of Name City: Dortmund	
Other	State: Germany	Zip: 44141
Execution Date: June 26, 2007:	; June 21, 2007; Additional name/s & address/	es attached? Tyes 🕅 No
	; June 21, 2007	
	,	
4. Application number(s) or patent num	nber(s): This assignment is being filed toge	ther with a new application
A. Patent Application No(s):	B. Patent No(s).	ther with a new application.
(1) 11/792,285	(1)	•
(2)		12285
(3)	$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$	12285
	Additional numbers attached Yes No	
5. Name and address of party to whom cor		& natents involved:
concerning document should be mailed:	-	e patents involved.
document should be maned.	7. Total fee (37 CFR 3.41)	\$ 40.00
Name: Bryan H. David		40.00
Diyan II. David		d to deposit assount #14 1140
Internal Address:	Audiorized to be charge	d to deposit account #14-1140
Internal Address.	P The Commissioner is hearthy	when in all as always and
Street Address: Nixon & Vanderhye P.C	8. The Commissioner is hereby a	
901 North Glebe Road		
	should have been filed herewit	
	61 11 41 11 11 11 11	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
11th Floor	filed in this application by this	firm) to our Account No.
City: Arlington State: VA Zi		firm) to our Account No.
	p: 22203 14-1140.	firm) to our Account No.
		firm) to our Account No.
City: Arlington State: VA Zi	p: 22203 14-1140.	firm) to our Account No.
City: Arlington State: VA Zi 9. Statements and signature.	p: 22203 14-1140. DO NOT USE THIS SPACE	
9. Statements and signature. To the best of my knowledge and belief,	p: 22203 14-1140.	
City: Arlington State: VA Zi 9. Statements and signature.	p: 22203 14-1140. DO NOT USE THIS SPACE	
9. Statements and signature. To the best of my knowledge and belief, of the original document.	p: 22203 14-1140. DO NOT USE THIS SPACE	ached copy is a true copy
9. Statements and signature. To the best of my knowledge and belief, of the original document. Bryan H. Davidson	p: 22203 14-1140. DO NOT USE THIS SPACE the foregoing information is true and correct and any att.	ached copy is a true copy July 11, 2007
9. Statements and signature. To the best of my knowledge and belief, of the original document. Bryan H. Davidson Name of Person Signing	p: 22203 14-1140. DO NOT USE THIS SPACE	ached copy is a true copy
9. Statements and signature. To the best of my knowledge and belief, of the original document. Bryan H. Davidson Name of Person Signing Reg. No. 30,251	p: 22203 14-1140. DO NOT USE THIS SPACE the foregoing information is true and correct and any att Signature	ached copy is a true copy July 11, 2007 Date
9. Statements and signature. To the best of my knowledge and belief, of the original document. Bryan H. Davidson Name of Person Signing Reg. No. 30,251	p: 22203 14-1140. DO NOT USE THIS SPACE the foregoing information is true and correct and any att.	July 11, 2007 Date

07/12/2007 GFREY1 00000161 11792205 01 FC:8021

Case No.: 24171USWO

ASSIGNMENT OF U.S. PATENT APPLICATION

	ASSIC	SIMILATION G.S. PATE	TI AFFEIGATION		
	MEESSEN, Jozef	Hubert			
(Inventors)	ERBEN, Axel				
•	KRIJGSMAN, Joh	in			
	LIEBIG Winfried				
			00) and other good and valuable		
			d, the undersigned agree(s) to assign, and		
(Assissos)	nereby does assig	gn, transfer and set over to			
(Assignee) (Address)	DCM ID Acceto P	V Hot Overloop 1 6411 To	HEERI EN The NETHER! ANDS		
(Address)		SM IP Assets B.V., Het Overloon 1, 6411 TE HEERLEN, The NETHERLANDS Inde GmbH, Friedrich-Uhde-Strasse 15, 44141 Dortmund, Germany			
	Onde Ginbri, i ne	uncil-onde-otrasse 15, 441	41 Dorumana, Germany		
	(hereinafter desig	nated as the Assignee) the	undersigned's entire right, title and interest for		
			s and possessions in the invention, and all		
			which may be granted therefore, known as		
(Title)			NIA FROM AN AMMONIA-CONTAINING GAS		
•	STREAM				
	for which the unde	ersigned has (have) execute	ed on even date herewith an application for		
	patent in the Unite	ed States of America or, if n	ot on even date, then has executed		
	on	or ha	as already filed U.S. appln. Serial No.		
	11/792,285		on		
			of assignment of this invention to said		
	assignee at the til	me the invention was made.			
The	undersigned agree((s) to execute all papers and	documents necessary in connection with the		
			any continuing or divisional applications		
			ction with such applications as the Assignee		
			ny act which may be necessary in connection		
with claims of	or provisions of the I	international Convention for	Protection of Industrial Property or similar		
agreements.					
The	undersigned agree	(s) to perform all affirmative	acts which may be necessary to obtain a		
grant of a va	llid United States pa	itent to the Assignee.	•		
The	undersigned hereb	v authorize(s) and request(s	the Commissioner of Patents to issue any		
			id application or any division or divisions or		
			ignee of the entire interest, and hereby		
			tire interest herein assigned, and that he has		
		ill not execute, any agreeme			
• •		· • • =	& VANDERHYE P.C. the power to insert on		
this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that					
ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.					
•	- -	,	n the date(s) opposite the undersigned		
signature	illiess whereor, exe	cuted by the undersigned of	the date(s) opposite the undersigned		
Signature					
Date 26	-6-2007	Signature of inventor	Me de la constant de		
Date	= 0 = 0 10 10 4	Signature of inventor	MEESSEN, Jozef Hubert		
Date	·	Signature of inventor	MELOGEN, Jozef Hubert		
		Signature of inventor	ERBEN, Axel		
Date		Signature of inventor	with the contract of the contr		
		g.,c.a. 0 01 11101101	KRIJGSMAN, John		
Date		Signature of inventor			
			LIEBIG, Winfried		
Date		Signature of inventor			

Date _____ Signature of inventor

PATENT REEL: 019642 FRAME: 0195

Case No.: 24171USWO

ASSIGNMENT OF U.S. PATENT APPLICATION

	MEESSEN, Jozef Hubert			
(Inventors)	ERBEN, Axel			
	KRIJGSMAN, John`			
	LIEBIG Winfried			
			0) and other good and valuable	
			d, the undersigned agree(s) to assign, and	
/A.n.i	nereby does assig	n, transfer and set over to		
(Assignee)	DOM ID Access D	V 11=10	HEEDLEN THE NETHERLANDS	
(Address)		v., net Overloon 1, 64 11 10 drich-Uhde-Strasse 15, 441	HEERLEN, The NETHERLANDS	
	Onde Ginbh, File	unch-Onde-Strasse 15, 44 to	41 Dortmand, Germany	
•	(hereinafter design	nated as the Assignee) the	undersigned's entire right, title and interest for	
			s and possessions in the invention, and all	
			which may be granted therefore, known as	
(Title)			IIA FROM AN AMMONIA-CONTAINING GAS	
•	STREAM			
•	for which the unde	ersigned has (have) execute	d on even date herewith an application for	
	patent in the Unite		ot on even date, then has executed	
	on	or ha	s already filed U.S. appln. Serial No.	
	11/792,285		on	
			of assignment of this invention to said	
	•	ne the invention was made.		
			documents necessary in connection with the	
			ny continuing or divisional applications	
			tion with such applications as the Assignee	
			y act which may be necessary in connection	
	r provisions of the I	nternational Convention for	Protection of Industrial Property or similar	
agreements.			•	
			acts which may be necessary to obtain a	
grant of a val	id United States pa	tent to the Assignee.		
The	undersigned hereby	authorize(s) and request(s	the Commissioner of Patents to issue any	
			d application or any division or divisions or	
			gnee of the entire interest, and hereby	
covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has				
(they have) not executed and will not execute, any agreement in conflict herewith.				
The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on				
this assignment any further identification which may be necessary or desirable in order to comply with the				
rules of the United States Patent Office for recordation of this document. It is understood and agreed that				
ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to				
· ·	•	respect to this invention.		
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned				
signature				
D-4-		Cinnatura of income	•	
Date		Signature of inventor	MEECOCN Indiana	
0-1- 2//	0/03	Signature of inventor	MEESSEN, Jozef Hubert	
Date <u>2//</u>	76/0/	Signature of inventor	ERBEN, Axel	
Date	•	Signature of inventor	LINDLIN, MAI	
		orginatore or inventor	KRIJGSMAN, John	
Date 21.	06.2507	Signature of inventor	Wir fried Luling	
	00.2001	Cignotare of inventor	LIEBIG, Winfried	
Date		Signature of inventor		

Date _____ Signature of inventor

PATENT

REEL: 019642 FRAME: 0196

Case No.: 24171USWO

ASSIGNMENT OF U.S. PATENT APPLICATION MEESSEN, Jozef Hubert (Inventors) ERBEN, Axel KRIJGSMAN, John **LIEBIG Winfried** In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to (Assignee) (Address) DSM IP Assets B.V., Het Overloon 1, 6411 TE HEERLEN, The NETHERLANDS Uhde GmbH, Friedrich-Uhde-Strasse 15, 44141 Dortmund, Germany (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as (Title) PROCESS FOR THE REMOVAL OF AMMONIA FROM AN AMMONIA-CONTAINING GAS for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed or has already filed U.S. appln. Serial No.

11/792,285 on
The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature

Date	Signature of inventor	MEECCEN Josef Wilhord
Date	Signature of inventor	MEESSEN, Jozef Hubert
Date 11_06-2007	Signature of inventor	ERBEN, Axel
Date	Signature of inventor	KRIJGSMAN, John
Date	Signature of inventor	LIEBIG, Winfried
Date	Signature of inventor	

PATENT REEL: 019642 FRAME: 0197

RECORDED: 07/11/2007