#### 502535088 10/16/2013

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2580443

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN CROWLEY	07/20/2007
MAIKE WUBBEN	07/20/2007
JOSE MANUEL COCO MARTIN	07/20/2007

#### **RECEIVING PARTY DATA**

Name:	DSM IP ASSETS B.V.
Street Address:	HET OVERLOON 1
City:	TE HEERLEN
State/Country:	NETHERLANDS
Postal Code:	6411

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14052878

#### **CORRESPONDENCE DATA**

 Fax Number:
 (312)913-0002

 Phone:
 312-913-0001

 Email:
 harper@mbhb.com

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

Correspondent Name: MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP

Address Line 1: 300 SOUTH WACKER DRIVE

Address Line 2: SUITE #3100

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	10-817-US-CON2
NAME OF SUBMITTER:	DAVID HARPER
Signature:	/David Harper/
	PATENT

REEL: 031419 FRAME: 0758

.00 140

502535088

Date:	10/16/2013
Total Attachments: 3	

source=10-817-US-CON2 Assignment from corresponding US case (executed)#page1.tif source=10-817-US-CON2 Assignment from corresponding US case (executed)#page2.tif source=10-817-US-CON2 Assignment from corresponding US case (executed)#page3.tif

> **PATENT REEL: 031419 FRAME: 0759**

Case No.: 4662-276

24173USWO

## ASSIGNMENT OF U.S. PATENT APPLICATION

1. CROWLEY, John

(Inventors)	Z. WUBBEN, Maike	
	3. COCO MARTIN, Jose Manuel	
(Assignee) (Address) (Title)	In consideration of the sum of one diconsiderations paid to each of the undersign hereby does assign, transfer and set over to DSM IP Assets B.V.  Het Overloon 1 6411 TE HEERLEN The Netherlands (hereinafter designated as the Assignee) the the United States, its territories, dependence applications for patent and any Letters Pater PROCESS FOR CELL CULTURING BY COALTERNATING TANGENTIAL FLOW for which the undersigned has (have) execupatent in the United States of America or, if	e undersigned's entire right, title and interest for es and possessions in the invention, and all nt which may be granted therefore, known as INTINUOUS PERFUSION AND ted on even date herewith an application for
	10/591,118	on August 30, 2006
	The undersigned acknowledges an obligation assignee at the time the invention was made	in of assignment of this invention to said
application of thereof and may deem n	or any interference which may be declared and also to execute separate assignments in conn- necessary or expedient and further to perform a or provisions of the International Convention for	ection with such applications as the Assignee any act which may be necessary in connection
	undersigned agree(s) to perform all affirmative alid United States patent to the Assignee.	a acts which may be necessary to obtain a
and all Lette continuing a covenants the	undersigned hereby authorize(s) and requestions Patent of the United States resulting from supplications thereof to the said Assignee, as Ashat he has (they have) full right to convey the enot executed and will not execute, any agreem	aid application or any division or divisions or isignee of the entire interest, and hereby entire interest herein assigned, and that he has
this assignm rules of the ASSIGNEE	United States Patent Office for recordation of t	N & VANDERHYE P.C. the power to insert on cessary or desirable in order to comply with the his document. It is understood and agreed that resented only ASSIGNEE and will continue to
In w signature(s)	vitness whereof, executed by the undersigned to	on the date(s) opposite the undersigned
Date 20 Je	uly 2007 Signature of inventor	15- Cu.k.
Date 20 J	uty 2007 Signature of inventor	J. CROWLEY!
Date 20 J	uly 2007 Signature of inventor	M. WÜBBEN
Date	Signature of Inventor	J.M. COCO MARTIN
Date	Signature of inventor	

PATENT REEL: 031419 FRAME: 0760

Case No.: 4662-276

24173USWO

# ASSIGNMENT OF U.S. PATENT APPLICATION

			<u></u>
	1. CROWLEY, .		
(Inventor	s) Z. WÜBBEN, N	aike	
	3. COCO MART	IN, Jose Manuel	
	considerations ( hereby does as:	oald to each of the undersi- sign, transfer and set over	dollar (\$1.00) and other good and valuable gned, the undersigned agree(s) to assign, and to
(Assigne		8 V	
(Address	6411 TE HEERI The Netherland	\$	
(Title)	the United State applications for PROCESS FOR ALTERNATING	es, its territories, dependen patent and any Letters Pat R CELL CULTURING BY C TANGENTIAL FLOW	he undersigned's entire right, title and interest for cies and possessions in the invention, and all tent which may be granted therefore, known as CONTINUOUS PERFUSION AND
	patent in the Ur on	ited States of America or,	cuted on even date herewith an application for if not on even date, then has executed r has already filed U.S. appln Serial No.
	10/591		on <u>August 30, 2006</u>
		d acknowledges an obligation the invention was ma	tion of assignment of this invention to said de.
may deer with clain agreeme	n necessary or expense or provisions of the only of th	dient and further to perform e International Convention	inection with such applications as the Assignee of any act which may be necessary in connection for Protection of Industrial Property or similar ive acts which may be necessary to obtain a
•			okla) that Campaigness of Butanta to inches our
and all Le continuin covenant	etters Patent of the U g applications thereo s that he has (they h	nited States resulting from f to the said Assignee, as A	st(s) the Commissioner of Patents to issue any said application or any division or divisions or Assignee of the entire interest, and hereby entire interest herein assigned, and that he has ement in conflict herewith.
this assignues of the ASSIGNE	nment any further ide ne United States Pate E'S attorneys Nixon	entification which may be re ant Office for recordation of	ON & VANDERHYE P.C. the power to insert on lecessary or desirable in order to comply with the f this document. It is understood and agreed that epresented only ASSIGNEE and will continue to
li signature		cecuted by the undersigned	d on the date(s) opposite the undersigned
Date 20	July 2007	_ Signature of inventor	
Date 2	) July 2007	Signature of inventor	CROWLEY M. WUBBEN
Date 20	July 2007	Signature of inventor	
Date		Signature of inventor	J.M. COCO MARTIN
Date		Signature of inventor	

**PATENT REEL: 031419 FRAME: 0761** 

Case No.: 4662-276

24173USWO

# ASSIGNMENT OF U.S. PATENT APPLICATION

	1. CROWLEY, Joi			
(Inventors)				
	3. COCO MARTIN	V, Jose Manuel		
				· · · · · · · · · · · · · · · · · · ·
and the state of the	considerations par hereby does assig	id to each of the undersion, transfer and set over	e dollar (\$1.00) and other good and valuationed, the undersigned agree(s) to assign to	
(Assignee)		V		
(Address)	Het Overloon 1 6411 TE HEERLE The Netherlands	N		
(Title)	(hereinafter design the United States, applications for pa PROCESS FOR 0	its territories, dependent etent and any Letters Pat CELL CULTURING BY C	the undersigned's entire right, tille and into icles and possessions in the invention, an tent which may be granted therefore, know CONTINUOUS PERFUSION AND	id all
ALTERNATING TANGENTIAL FLOW  for which the undersigned has (have) executed on even date herewith an applic patent in the United States of America or, if not on even date, then has execute on or has already filed U.S. applin. Serial I onAugust 30, 2007				n for
	The undersigned		on August 30, 2007 tion of assignment of this invention to said ide	i .
application of thereof and may deem r with claims agreements The	or any interference walso to execute sepa also to execute sepa necessary or expedie or provisions of the li- undersigned agree(	thich may be declared ar arate assignments in con ont and further to perform nternational Convention	and documents necessary in connection of any continuing or divisional applications in the Assignment of the Assignment o	s ignee nection illar
The and all Lette continuing a covenants to	undersigned hereby ars Palent of the Unit applications thereof to not he has (they have	vauthorize(s) and requested States resulting from the said Assignee, as A e) full right to convey the	st(s) the Commissioner of Patents to issue said application or any division or division Assignee of the entire interest, and hereby entire interest herein assigned, and that he ement in conflict herewith.	ns or /
this assignment of the ASSIGNEE'	nent any further ident United States Patent S attomeys Nixon &	lification which may be no Office for recordation of	ON & VANDERHYE P.C. the power to Instead to Instead to Comply with the complete of this document. It is understood and agree presented only ASSIGNEE and will confine the contract of the confine of the contract of the contr	with the
In w signature(s)		cuted by the undersigned	on the date(s) opposite the undersigned	
Date 20 Ju	ıly 2007	Signature of inventor	J. CROWLEY	
Date 20 Ju	ıly 2007	Signature of inventor	MMYOBBEN _	
Date 20 Ju	ıl <u>y 2</u> 007	Signature of inventor	MINOSPEN COCEMARTIN	
Date		Signature of inventor	C WAINTIN	
Date	<u></u>	Signature of inventor		

PATENT REEL: 031419 FRAME: 0762

**RECORDED: 10/16/2013**