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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
G. M. Zijlstra	05/27/2009
R. P. Hof	05/27/2009
J. Schilder	05/27/2009

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:	13707115	

CORRESPONDENCE DATA

Fax Number: 3129130002

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

3129130001 Phone: Email: harper@mbhb.com

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:	10-818-US-CO2
NAME OF SUBMITTER:	David Harper

Total Attachments: 3

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> **PATENT** REEL: 029456 FRAME: 0325

Case No.: 2862-1020 /

24873-US-PCT

ASSIGNMENT OF U.S. PATENT APPLICATION

1) G.M. Zijistra

	2) R.P. Hof		
(Inventors)	3) J. Schilder	······································	
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(Assignee)	considerations par hereby does assig DSM IP Assets B.	id to each of the undersigne in, transfer and set over to	lar (\$1.00) and other good and valuable d, the undersigned agree(s) to assign, and
(Address)	Het Overlaph 1		, V
	6411 TE HEERLI The Netherlands		
(Title)	the United States, applications for pa IMPROVED PRO	ite territories, dependencles stent and any Lefters Patent CESS FOR THE CULTURIN	indersigned's entire right, title and interest for s and possessions in the invention, and all which may be granted therefore, known as NG OF CELLS
	patent in the Unite	ed States of America or, if no or ha	d on even date herawith an application for nt on even date, then has executed as already filed U.S. appln. Serial No.
	The undersigned assignee at the tire		of assignment of this invention to said
application of thereof and a may deem no	r aný interference w ilso to execute sepa scessary or expadia	rhich may be declared and a prate assignments in connec ant and further to perform an	documents necessary in connection with the my continuing or divisional applications at the Assignee that which may be necessary in connection Protection of Industrial Property or similar
The grant of a val	undersigned agree(id United States pa	s) to perform all affirmative the to the Assignee.	acts which may be necessary to obtain a
and all Lefter continuing ap covenants the	s Patent of the Unit oplications thereof b at he has (they hav	ed States resulting from sail the said Assignee, as Assi	the Commissioner of Patents to Issue any depplication or any division or divisions or gnee of the entire interest, and hereby the interest herein assigned, and that he has nt in conflict herewith.
this assignment of the L ASSIGNEES	ent any further iden Inited States Paten Sattomeys Nixon &	iffication which may be nece t Office for recordation of thi	& VANDERHYE P.C. the power to insert on escary or desirable in order to comply with the s document. It is understood and agreed that sented only ASSIGNEE and will continue to
In wi signature(s).		cuted by the undersigned or	the date(s) opposite the undersigned
Date 27 Ma	ay 2009	Signature of inventor	C. Lyhita
Date 27 M	ay 2009	Signature of inventor	, S.M. Zijistra
Date 27 M	ay 2009	Signature of Inventor	R.P. Hof
Date		Signature of inventor	J. Schilder
Date		Signature of Inventor	

Case No.: 2662-1020/

24873-US-PCT

ASSIGNMENT OF U.S. PATENT APPLICATION

		1) G.M. Zíjistra		
		2) R.P. Hof		
(Invento	ors) 🖺	3) J. Schilder		
(Assigr (Addres	ree)	considerations paid	to each of the undersign , transfer and set over to	ollar (\$1.00) and other good and valuable ed, the µndersigned agree(s) to assign, and
(Title)	-	the United States, I applications for pat IMPROVED PROC for which the under	is territories, dependenci ent and any Letters Pafe ESS FOR THE CULTUR signed has (have) execu	led on even date herewith an application for
		patent in the United on	States of America or, if	not on even date, then has executed has already filed U.S. appln. Serial No.
	on The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.			
thereof	lion or and a em ne ems or nents,	any interference whise to execute separ dessary or expedier provisions of the in	nich may be declared and ate assignments in conn at and further to perform ternational Convention fo	nd documents necessary in connection with the lany continuing or divisional applications solitons soliton with such applications as the Assignee any act which may be necessary in connection or Protection of Industrial Property or similar
grant o	f a val	d United States pat	ent to the Assignee.	e acts which may be necessary to obtain a
continu	Letter ling ap ants the lave) n	s Palent of the Unite plications thereof to at he has (they have ot executed and will	ed States resulting from a the said Assignee, as A a) full right to convey the a not execute, any agreer	(s) the Commissioner of Patents to issue any gid application or any division or divisions or usignee of the entire interest, and hereby entire interest herein assigned, and that he has nent 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(s).				
Date	27 M	ay 2009	Signature of inventor	G.M. ZIJIstig
Date	27 M	ay 2009	Signature of inventor	R.P. Hot
,		ay 2009	Signature of inventor	J. Schilder
Date			Signature of inventor	
Date			Signature of inventor	

PATENT REEL: 029456 FRAME: 0327

Case No.; 2662-1020 /

ASSIGNMENT OF U.S. PATENT APPLICATION

	1) G.M. Zijistra		
	2) R.P. Hof		
(Inventors)	3) J. Schilder		
(Assignee)	considerations pai hereby does assig DSM IP Assets B.	d to each of the undersigner n, transfer and set over to	lar (\$1.00) and other good and valuable d, the undersigned agree(s) to assign, and
(Address)	Het Overloon 1		
	6411 TE HEERLE	EV4	
	The Netherlands	white was the same and the same	West of the state
(Title)	(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 IMPROVED PROCESS FOR THE OULTURING OF CELLS		
for which the undersigned has (have) executed on even date herewing patent in the United States of America or, if not on even date, then he on or has already filed U.S. ap			of on even date, then has executed
	The undersigned abknowledges an obligation of assignment of this invention to said assigned at the time the invention was made.		
application of thereof and a may deem no with claims o agreements.	r any interference w diso to execute sepa ecessary or expedie r provisions of the li	hich may be declared and a trate assignments in connec int and further to perform an nternational Convention for I	decuments necessary in connection with the ny configuing or divisional applications tion with such applications as the Assignee y act which may be necessary in connection Protection of Industrial Property or similar
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and all Letter continuing ap coverants th	s Patent of the Unit oplications thereof to at he has (they hay	ed States resulting from said the said Assignee, as Assi	the Commissioner of Patents to issue any d application or any division or divisions or gnee of the entire interest, and hereby lire interest herein assigned, and that he has nt 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 wi signature(s).		culed by the undersigned on	the date(a) opposite the undersigned
Date _ 27 Ma	ay 2009	Signature of inventor	G.M. Zijlstra
Date <u>27 Ma</u>	ву 2009	Signature of inventor	
Date 27 M	ay 2009	Signature of inventor	J. Hollow J. Hollow J. Hollow
Date		Signature of inventor	1/7
Date		Signature of Inventor	

PATENT REEL: 029456 FRAME: 0328

RECORDED: 12/12/2012