PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Markus Grompe	03/05/2009
Hisaya Azuma	06/11/2008
Muhsen Al-Dhalimy	03/19/2009

RECEIVING PARTY DATA

Name:	Oregon Health & Science University
Street Address:	2525 SW First Avenue
Internal Address:	Suite 120
City:	Portland
State/Country:	OREGON
Postal Code:	97201

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	60933432
PCT Number:	US0865937

CORRESPONDENCE DATA

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Address Line 2: Suite 1600

Address Line 4: Portland, OREGON 97204

ATTORNEY DOCKET NUMBER:	899-77961-02
NAME OF SUBMITTER:	Jodi L. Connolly, Ph.D.
	PATENT

500812363 REEL: 022423 FRAME: 0371

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Total Attachments: 6
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PATENT REEL: 022423 FRAME: 0372

ASSIGNMENT

WHEREAS, we, Markus Grompe, of Portland, Oregon, Hisaya Azuma, of Portland, Oregon, and Muhsen Al-Dhalimy of Beaverton, Oregon, along with Mark A. Kay, have invented a certain invention, entitled METHOD OF EXPANDING HUMAN HEPATOCYTES IN VIVO, for which the following applications have been filed:

U.S. Provisional Application No. 60/933,432, filed June 5, 2007 PCT Patent Application No. PCT/US2008/65937, filed June 5, 2008

WHEREAS, OREGON HEALTH & SCIENCE UNIVERSITY, a organization organized under the laws of the State of Oregon, having a place of business at 2525 SW First Avenue, Suite #120, Portland, Oregon 97201, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Markus Grompe, Hisaya Azuma, and Muhsen Al-Dhalimy, hereby sell, assign and transfer to OREGON HEALTH & SCIENCE UNIVERSITY the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by OREGON HEALTH & SCIENCE UNIVERSITY, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this

Page - 1 - of 3

assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to OREGON HEALTH & SCIENCE UNIVERSITY, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid OREGON HEALTH & SCIENCE UNIVERSITY, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this

Assignment any further information which may be necessary or desirable in order to comply with
all applicable legal requirements, including the rules of the United States Patent and Trademark

Office, for submitting and recording this document.

Page - 2 - of 3

		Hisaya Azuma
At		
(City and State)		
on this day of	, 2008.	
STATE OF)	
STATE OF COUNTY OF) ss.)	
Hisaya Azuma, who executed the f	oregoing instrur	efore me personally came the above-named ment in my presence, and who acknowledged to ruma's own free will for the purpose set forth
	-	Notary Public For
[SEAL]		My commission expires:
At Portland, Orea (City and State) on this 19th day of March	on g	Muhsen Al-Dhalimy Muhsen Al-Dhalimy
STATE OF Oregon)	
Muhsen Al-Dhalimy, who executed acknowledged to me that this instru	9	efore me personally came the above-named nstrument in my presence, and who uted by Muhsen Al-Dhalimy's own free will for
SEAL] OFFICIAL MICHELE G NOTARY PUBLIC COMMISSION EXPIR	UNNESS C-OREGON NO. 417317	Muchelo Sunness Notary Public For State of Oregon My commission expires: June 25, 2011

Page - 3 - of 3

ASSIGNMENT

WHEREAS, we, Markus Grompe, of Portland, Oregon, Hisaya Azuma, of Portland, Oregon, and Muhsen Al-Dhalimy of Beaverton, Oregon, along with Mark A. Kay, have invented a certain invention, entitled METHOD OF EXPANDING HUMAN HEPATOCYTES IN VIVO, for which the following applications have been filed:

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Markus Grompe, Hisaya Azuma, and Muhsen Al-Dhalimy, hereby sell, assign and transfer to OREGON HEALTH & SCIENCE UNIVERSITY the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by OREGON HEALTH & SCIENCE UNIVERSITY, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this

Page - 1 - of 3

SAS/JLC:cls 06/09/08 899-77961-02

assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to OREGON HEALTH & SCIENCE UNIVERSITY, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid OREGON HEALTH & SCIENCE UNIVERSITY, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this

Assignment any further information which may be necessary or desirable in order to comply with
all applicable legal requirements, including the rules of the United States Patent and Trademark

Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

At	Markus Grompe
(City and State) on this day of	2008
•	, 2000.
STATE OF)) ss.
COUNTY OF	
Markus Grompe, who executed the	, 2008, before me personally came the above-named foregoing instrument in my presence, and who acknowledged uted by Markus Grompe's own free will for the purpose set
	Notary Public For
rspai i	My commission expires:

Page - 2 - of 3

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	Tassays Amun
1 Toler Tonois	Hisaya Azuma
(City and State)	Market Market in Control of Contr
At Totyo, Japan (City and State) on this // day of June, 2008.	
STATE OF)	
COUNTY OF) ss.	
This // day of Jone, 20	008, before me personally came the above-named
Hisaya Azuma, who executed the foregoing i me that this instrument was executed by Hisa	instrument in my presence, and who acknowledged to ya Azuma's own free will for the purpose set forth
therein.	
	Notary Public For My commission expires:
[SEAL]	wy commission expires.
A.,	Muhsen Al-Dhalimy
(City and State)	1
on this day of, 2008.	
STATE OF)	
) ss.	
COUNTY OF)	•
This day of, 20	008, before me personally came the above-named
Muhsen Al-Dhalimy, who executed the forego	
the purpose set forth therein.	executed by Muhsen Al-Dhalimy's own free will for
	Notary Public For
	My commission expires:
[SEAL]	- -

Page - 3 - of 3