

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ratna Ray	09/03/2008
Ranjit Ray	09/03/2008
Arnab Basu	06/12/2008
Tatsuo Kanda	06/12/2008
RECEIVING PARTY DATA	
Name:	Saint Louis University
Street Address:	221 North Grand Boulevard
City:	Saint Louis
State/Country:	MISSOURI
Postal Code:	63103
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11506161
CORRESPONDENCE DATA	
Fax Number:	(888)494-3114
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	314 704 2060
Email:	brettonr@charter.net
Correspondent Name:	Randolph H Bretton
Address Line 1:	4579 Laclede Ave. #194
Address Line 4:	Saint Louis, MISSOURI 63108
NAME OF SUBMITTER:	Randolph H Bretton

OP \$40.00 11506161

Total Attachments: 5
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PATENT

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UNITED STATES PATENT ASSIGNMENT

WHEREAS, Ratna Ray of St. Louis, Missouri, Ranjit Ray of St. Louis, Missouri; Arnab Basu of Natick, Massachusetts, and Tatsuo Kanda of Affton, Missouri; (hereinafter referred to as "ASSIGNOR"), for an invention (the "INVENTION") relating to an improvement in COMPOSITIONS AND METHODS FOR GENERATION OF INFECTIOUS HEPATITIS C VIRUS IN IMMORTALIZED HUMAN HEPATOCYTES and has executed an application for a United States patent based thereon (Serial Number 11/506,161, filed August 17, 2006 (118691 (SLU 06-023))) (the "APPLICATION"); AND, WHEREAS, Saint Louis University, a non-profit organization, having its principal place of business at 221 N. Grand Boulevard, St. Louis, Missouri 63103 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, ASSIGNOR has agreed to and does hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said INVENTION, said APPLICATION, any other United States application (including divisional, continuing, or reissue applications) based in whole or in part on said APPLICATION or in whole or in part on said INVENTION, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said INVENTION, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said INVENTION or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had no sale and assignment of said interest been made; AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said INVENTION or any part thereof, to said ASSIGNEE;

AND ASSIGNOR, his successors and assigns, hereby agrees to execute without further consideration any further lawful documents and any further assurances, and any divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said INVENTION or any part thereof, and in and to said several patents or any of them;

AND ASSIGNOR hereby covenants and agrees with said ASSIGNEE, its successors and assigns, that ASSIGNOR has granted no right or license to make, use, or sell said INVENTION, to anyone except said ASSIGNEE, that prior to the execution of this assignment, ASSIGNOR'S right, title and interest in said INVENTION has not been otherwise encumbered, and that ASSIGNOR has not executed and will not execute any instrument in conflict herewith.

Ratna Ray
RATNA RAY

Date: 9/3/08

ACKNOWLEDGMENT

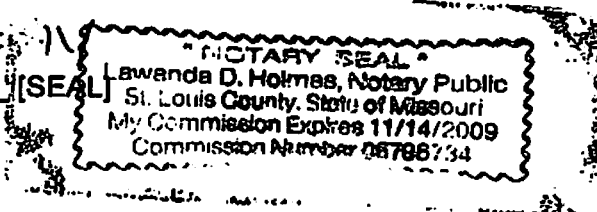
STATE OF Missouri
) SS.
CITY OF St. Louis

On this 03 day of September, 2008, before me appeared RATNA RAY to me personally known to be the person described, and said RATNA RAY acknowledged said instrument to be his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Lawanda D. Holmes
Notary Public

My Commission Expires: 11/14/2009



Ranjit Ray
RANJIT RAY

Date: September 3, 2008

ACKNOWLEDGMENT

STATE OF Missouri
CITY OF St. Louis) SS.

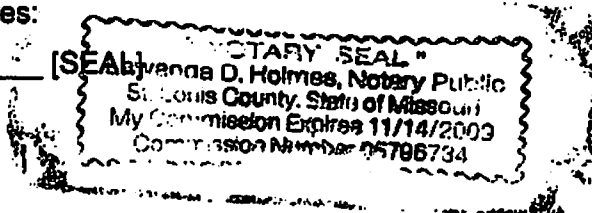
On this 03 day of September, 2008, before me appeared RANJIT RAY to me personally known to be the person described, and said RANJIT RAY acknowledged said instrument to be his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Jayanda D. Holmes
Notary Public

My Commission Expires:

11/14/2009



Arnab Basu
ARNAB BASU

Date: 6/12/08

ACKNOWLEDGMENT

STATE OF Massachusetts
CITY OF Worcester) SS.

On this 12 day of June, 2008, before me appeared ARNAB BASU to me personally known to be the person described, and said ARNAB BASU acknowledged said instrument to be his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Kim R. Kepteyn
Notary Public

My Commission Expires:
8/2/13 [SEAL]

Tatsuo Kanda
TATSUO KANDA

Date: 6/12/2008

ACKNOWLEDGMENT

CITY OF CHIBA)

COUNTRY JAPAN)

On this 12 day of June, 2008, before me appeared TATSUO KANDA to me personally known to be the person described, and said TATSUO KANDA acknowledged said instrument to be his free act and deed.

In witness thereof, I have hereunto set my hand on the day and year first above written.

Kyoko Kanda
Witness

KYOKO KANDA
PRINT NAME

CITY OF CHIBA)

COUNTRY JAPAN)