

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2579837

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>LESLIE BROMBERG</td> <td>10/08/2013</td> </tr> <tr> <td>JOSEPH V. MINERVINI</td> <td>10/08/2013</td> </tr> <tr> <td>ALEXEY L. RADOVINSKY</td> <td>10/08/2013</td> </tr> <tr> <td>PHILLIP C. MICHAEL</td> <td>10/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	LESLIE BROMBERG	10/08/2013	JOSEPH V. MINERVINI	10/08/2013	ALEXEY L. RADOVINSKY	10/08/2013	PHILLIP C. MICHAEL	10/08/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</td> </tr> <tr> <td>Street Address:</td> <td>77 MASSACHUSETTS AVENUE</td> </tr> <tr> <td>City:</td> <td>CAMBRIDGE</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Street Address:	77 MASSACHUSETTS AVENUE	City:	CAMBRIDGE	State/Country:	MASSACHUSETTS	Postal Code:	02139
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Application Number:	13949459										
CORRESPONDENCE DATA											
Fax Number:	(508)898-2020										
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
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Address Line 4:	WESTBORO, MASSACHUSETTS 01581										
ATTORNEY DOCKET NUMBER:	MIT-15762										
NAME OF SUBMITTER:	ROBERT C. FRAME										

Signature:	/Robert C. Frame, Reg. No. 54,104/
Date:	10/16/2013
Total Attachments: 3 source=MIT-15762-Assignment#page1.tif source=MIT-15762-Assignment#page2.tif source=MIT-15762-Assignment#page3.tif	

MIT-15762

ASSIGNMENT

WHEREAS, We, Leslie Bromberg, residing at 176 Wilshire Drive, Sharon, Massachusetts 02067, Joseph V. Minervini, residing at 316 Still River Road, P.O. Box 88, Still River, Massachusetts 01467, Alexey L. Radovinsky, residing at 20 Chestnut Street #502, Cambridge, Massachusetts 02139 and Phillip C. Michael, residing at 163 Erie Street, Cambridge, Massachusetts 02139 have made an invention which invention is claimed and described in an application for Letters Patent of the United States of America entitled, "Phase-Lock Loop Synchronization Between Beam Orbit And RF Drive In Synchrocyclotrons" filed in the U.S. Patent and Trademark Office on July 24, 2013 under U.S. Serial No. 13/949,459 and;

WHEREAS, Massachusetts Institute of Technology of 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any Letters Patent that may be granted therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned parties by these presents do sell, assign and transfer unto Massachusetts Institute of Technology, its successors and assigns the full, exclusive and worldwide right to said invention including the United States of America, and the entire right, title and interest in, to and under any Letters Patent which may be granted on said invention, or any parts thereof, or on any continuation, division, reissue or reexamination thereof in the United States of America, in the territorial possessions of the United States of America and in any country foreign to the United States of America, the same to be held and enjoyed by Massachusetts Institute of Technology, its successors and assigns as fully and entirely as the same would have been held by us, had this assignment not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and respective Patent Office officials in any country foreign to the United States of America to issue said Letters Patent to said Massachusetts Institute of Technology as the assignee of our entire right, title and interest in, to and under the same, and we hereby further authorize Massachusetts Institute of Technology to apply for Letters Patent in our names or in its own name, as it in its sole discretion sees fit, utilizing any benefits which may exist under any International Agreement, in any country foreign to the United States of America.

And we, do hereby agree for ourselves and for our heirs, executors and administrators to execute any lawful document and to testify as to any material fact or thing which **Massachusetts Institute of Technology**, its successors and assigns may deem necessary in order to secure unto itself, its successors and assigns the full right, title and interest in and to and the full enjoyment of said invention or any part thereof and any Letters Patent, the same to be done without any further consideration.

IN WITNESS WHEREOF, we hereby set our hand and affix our seal

Leslie Bromberg
Leslie Bromberg

Date 10/8/2013

Joseph V. Minervini
Joseph V. Minervini

Date October 8, 2013

Alexey L. Radovinsky
Alexey L. Radovinsky

Date October 8, 2013

Phillip C. Michael
Phillip C. Michael

Date 8 OCT. 2013

STATE OF Mass.)

:ss

COUNTY OF Middlesex

On this day and year aforesaid, before me personally appeared **Leslie Bromberg**, to me known and known to me to be the person described in and the person who executed the foregoing instrument of assignment and acknowledged the same to be his free act and deed.

Jane Jackson
Notary Public

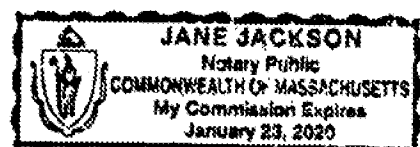
STATE OF Mass.)

:ss

COUNTY OF Middlesex

On this day and year aforesaid, before me personally appeared **Joseph V. Minervini**, to me known and known to me to be the person described in and the person who executed the foregoing instrument of assignment and acknowledged the same to be his free act and deed.

Jane Jackson
Notary Public



STATE OF Mass.)
:SS
COUNTY OF Middlesex

On this day and year aforesaid, before me personally appeared **Alexey L. Radovinsky**, to me known and known to me to be the person described in and the person who executed the foregoing instrument of assignment and acknowledged the same to be his free act and deed.

Jane Jackson
Notary Public

STATE OF Mass.)
:SS
COUNTY OF Middlesex

On this day and year aforesaid, before me personally appeared **Phillip C. Michael**, to me known and known to me to be the person described in and the person who executed the foregoing instrument of assignment and acknowledged the same to be his free act and deed.

Jane Jackson
Notary Public

