

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | KAVEH BAKHTARI | 05/31/2017 |
| RECEIVING PARTY DATA | | |
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| Postal Code: | 559-8559 | |
| PROPERTY NUMBERS Total: 1 | | |
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| | Patent Number: | 9601224 |
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| NAME OF SUBMITTER: | CHRISTOPHER J. FILDES | |
| SIGNATURE: | /Christopher J. Fildes/ | |
| DATE SIGNED: | 02/28/2018 | |
| Total Attachments: 2 | | |
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| source=Assignment#page2.tif | | |

ASSIGNMENT

(1) Insert Name(s) of
Inventor(s).

(1) Kaveh BAKHTARI

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(2) Insert name of
Assignee(s)

(2) HITACHI ZOSEN CORPORATION

(3) Insert address
of Assignee(s)

(3) 7-89, Nanko-kita 1-chome, Suminoe-ku,
Osaka-shi, Osaka 559-8559 Japan

(hereinafter designated as the Assignee) the 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 therefor, known as

(4) Insert Identification
of Invention, such as
Title, Case Number or
Foreign Application No.

(4) ELECTRON BEAM IRRADIATION APPARATUS

for which the undersigned has (have) executed an application for patent in the United States of America

(5) Insert Date of Signing
of Application

(5) on _____

(6) Alternative identification
for filed applications

(6) U.S. application Serial Number _____
filed _____

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all affirmative acts, which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agree(s) to communicate to the Assignee or representative thereof any facts known to me (us) respecting the invention and improvements thereof, and will, upon request, but without expense to me (us), testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of Fildes & Outland, 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.

7) This Assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and /or assigns of the Assignee.

8) The undersigned believe(s) the named inventor or joint inventor to be the original inventor (if only one inventor is named below) or an original joint inventor (if plural inventors are named below) of a claimed invention in the application.

9) The above-identified application was made or authorized to be made by me (us).

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date May 31st 2017
Name of Inventor 