| Atty. Docket No.: | 3818-0103P |
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| | ner of Patents and Trademarks: ginal documents or copy thereof. | |
|---|--|--|
| 1. Name of conveying party(ies): [LAST NAME (ALL CAPS), First Name] SINGH, Harvinderpal MISHRA, Shyamkant Laxmidutt VIJAYALAKSHMI, Ravishankar GIRIYALKAR, Ashok Basawanthappa Additional name(s) of conveying party(ies) attached? YES NO 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name | 2. Name and address of receiving party(ies) Name: SECRETARY, DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA Internal Address: Street Address: Anushakti Bhavan, Chhatrapati Shivaji Maharaj Marg, City: Mumbai State: ZIP: Country: INDIA Postal Code: 400 039 Additional name(s) & address(es) attached? ☐ YES ☒ NO | |
| Other: Execution Date: November 29, 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the | ne execution date of the application is: | |
| A. Patent Application No(s). 09/947,349 | B. Patent No.(s). | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 | 6. Total No. of applications/patents involved: one (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 ☑ Enclosed ☑ Authorized to be charged to deposit account, | |
| City: FALLS CHURCH State: VA ZIP: 22040-0747 Country: USA | if no fee attached. 8. Deposit account number: 02-2448 (Attach triplicate copy of this page if paying by deposit account) | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing to copy of the original document. John W. Bailey, #32,881 Name of Person Signing/Reg. No. | information is true and correct and any attached copy is a true 1 / 0 3 / 0 2 Signature Sheet, attachments, and document: four (4) | |
| 09/2002 LMUELLER 00000184 09947349 | JWB/en | |

(Rev. 12/10:01)

Atty. Docket No.: 3818-0103P

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| Attachment to RECORDATION FORM COVER SHEET | | |
|---|--|--|
| Continuation of Box 1Name of conveying party(ies): [LAST NAME (ALL CAPS), First Name] GUPTA, Chiranjib Kumar | | |
| Continuation of Box 2Name and address of receiving party(ies): | | |
| Continuation of Box 4Application number(s) or patent number(s): | | |

PATENT REEL: 012424 FRAME: 0902

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

| | Application No. <u>09/947,349</u> | | Filed September /, 2001 | |
|--|---|--|--|--|
| nsert Name(s) | | | | |
| of Inventor(s) | WHEREAS, | Harvinderpal SINGH | Shyamkant Laxmidutt MISHRA | |
| | Ravishankar VIJAYALAKSHMI | Ashok Basawanthappa GIRIYALKAR | Chiranjib Kumar GUPTA | |
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| | (hereinafter designated as the under | ersigned) has (have) invented certain nev | w and useful improvements in | |
| nsert Title of Invention | | | | |
| | for which an application for Lett undersigned (except in the case of | ters Patent of the United States of An a provisional application). | merica has been executed by the | |
| nsert Date of Signing of Application | on | | ; an | |
| nsert Name of Assignee | WHEREAS, <u>Secretary</u> , | Department of Atomic Energy, Govern | ment of India | |
| nsert Address of Assignee | of Anushakti Bhavan, Chhatrapati | Shivaji Maharaj Marg, Mumbai-400 03 | 9, India | |
| снеск вох | its heirs, successors, legal represer acquiring the entire right, title and may be granted therefor in the Uni | ntatives and assigns (hereinafter designal l interest in and to said invention and inted States of America and | ted as the Assignee) is desirous of n and to any Letters Patent(s) that | |
| F APPROPRIATE | | | | |
| | the receipt of which is hereby acl has (have) sold, assigned and tra Assignee the full and exclusive r dependencies and possessions an | ation of the sum of Ten Dollars (\$10.00 knowledged, and other good and valual insferred, and by these presents does eight to the said invention in the United of the entire right, title and interest in a rin the United States of America, is designated, in any and all foreign continuous states. | sell, assign and transfer unto said I States of America, its territories, nd to any and all Letters Patent(s) its territories, dependencies and | |
| | and to any and all divisions, reiss | ues, continuations, conversions and externated. | ensions thereof for the full term or | |

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PATENT REEL: 012424 FRAME: 0903 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

29 Nov. 2001 Name of Inventor _ (signature) 29 Nov 2001 Name of Inventor Shyamkant Laxmidutt MISHRA (signature) Date 29 Nov 2001 Name of Inventor (signature) Date 29/11/01 . Name of Inventor Ashok Basawanthappa GIRIYALKAR (signature) Name of Inventor (signature) Name of Inventor _ (signature)

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RECORDED: 01/03/2002

April 2000