

01-31-2002



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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

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Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Yogeshwar Sahai 1-24-02 Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies) Name: The Ohio State University Internal Address: Street Address: 1960 Kenny Road City: Columbus State: Ohio Zip: 43210-1063 Additional name(s) & address(es) attached? [] Yes [X] No

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 12/29/2001

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 09/698,858

B. Patent No.(s) RECEIVED JAN 24 2002 Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Roger A. Gilcrest, Standley & Gilcrest LLP Internal Address: Street Address: 495 Metro Place South, Suite 210 City: Dublin State: Ohio Zip: 43017

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: 19-4076 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Roger A. Gilcrest Signature Date January 3, 2002 Total number of pages including cover sheet, attachments, and documents 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

01/31/2002 GT0N11 00000182 09698858 01 FC:581 40.00 DP

PATENT REEL: 012512 FRAME: 0145

ASSIGNMENT

This assignment is made by Yogeshwar Sahai, residing at 739 Old Pond Road, City of Powell, State of Ohio 43065 ("ASSIGNOR") to The Ohio State University, a non-profit organization of the State of Ohio having an office at 1960 Kenny Road, City of Columbus, State of Ohio 43210-1063 ("ASSIGNEE").

FOR ONE U.S. DOLLAR (\$1.00) AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to my invention entitled METHOD AND APPARATUS FOR CONTROLLING STANDING SURFACE WAVE AND TURBULENCE IN CONTINUOUS CASTING VESSEL, as described and/or claimed in an application for patent of the United States of America, Serial No. 09/698,858. A Declaration for the application has been executed on Oct. 26, 2000. ASSIGNOR further does hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to ASSIGNOR'S invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in ASSIGNEE'S name.

ASSIGNOR HEREBY PROMISES AND AGREES that ASSIGNOR will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the

invention. ASSIGNOR will, at any time, upon the request and without further consideration, but at the expense of ASSIGNEE, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, in ASSIGNEE, its successors, assigns, or other legal representatives. ASSIGNOR will, at any time, upon the request and at the expense of ASSIGNEE, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to ASSIGNEE. ASSIGNOR will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to the ASSIGNEE.

Yogeshwar Sahai
Yogeshwar Sahai, ASSIGNOR

STATE OF OHIO :
 :
COUNTY OF FRANKLIN : SS:

Before me personally appeared *Yogeshwar Sahai*, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 29th day of December, 2001.



STACY L. BOOHER
Notary Public, State of Ohio
My Commission Expires 07-08-06

[Signature]
Notary Public