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U.S. Department of Patent and Trademark Office PATENT



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2911-Z

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Conveying Party(ies) ( ) Mark if additional names of conveying parties attached Execution Date Month Day Year Name (line 1) Surya Raghu Name (line 2) Second Party Name (line 1) Name (line 2)

Receiving Party ( ) Mark if additional names of receiving parties attached ( ) If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.) Name (line 1) BOWLES FLUIDICS CORPORATION Name (line 2) Address (line 1) 6625 Dohbin Road Address (line 2) Address (line 3) Columbia, Maryland 21045 city State/Country Zip Code

Domestic Representative Name and Address Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)

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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

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Patent Number(s)

09/427,985

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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Patent Cooperation Treat (PCT)

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Jim Zegeer

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Jim Zegeer  
Signature

January 18, 2000

Date

ASSIGNMENT

Attorney Ref: 2911-Z

WHEREAS, I, Surya Raghu, have invented an improvement in REVERSING CHAMBER OSCILLATOR, and

WHEREAS, I have executed an application for United States Letters Patent based thereon, the \_\_\_\_\_ day of \_\_\_\_\_ 1999; and

WHEREAS, BOWLES FLUIDICS CORPORATION, a corporation of the State of Maryland, and having a place of business at 6625 Dobbin Road, Columbia, MD 21045, is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar (\$1.00) and other valuable considerations, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign, and transfer unto said corporation my 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 and any and all patents (including extensions thereof) of any country, which have been or may be granted on said invention or any part thereof, or on said application or any divisional, continuing, renewal, reissue, or other patent application, based in whole or in part thereon, or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to the full ends of the respective terms for which said patents or any of them have been or may be granted, as fully and entirely as the same would have been held and enjoyed by me had no sale and assignment of said interest been made;

And I hereby covenant and agree for myself, my heirs, and my legal representatives, to assist the said assignee in the prosecution of said application and in any interference which may arise involving said invention, and, upon request, to execute without further consideration all necessary and desirable divisional, continuing, renewal, reissue, or other applications for patents in any country, that might 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. Further, I hereby authorize the above-mentioned assignee to insert in this instrument the identifying serial number and filing date of the said application when received.

And I do hereby authorize and request the Commissioner of Patent and Trademarks 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 corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 24<sup>th</sup> day of November, 1999.

Surya Raghu  
Surya Raghu

State of Maryland  
County of Howard

On this 24<sup>th</sup> day of November, 1999, before me a Notary Public, personally appeared the above-named Surya Raghu personally known to me and known to me to be the one who executed the foregoing instrument and subscribed the same in my presence, and acknowledged the same to be his free act and deed.

[Signature]  
Notary Public  
My commission expires: 1/1/01

(Seal)

Serial No. 09/427,985  
Filed October 27, 1999