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Client/Matter No. 12264/229						
RECORDATION FORM COVER SHEET						
		'S ONLY				
To the Director of the U.S. Patent and T						
Name of conveying Party(ies)/Execution	cution Date:	2. Name and Add	ress of receiving Party(les)) :		
ASHWIN VYAS / 09/18/07 ANIL K. BAJAJ / 09/21/07 DIMITRIOS PEROULIS / 09/21/07		Name:	PURDUE RESEARCH FOUNDATION			
		Internal Address:				
Additional name(s) of conveying party(ies) attached?		Street Address:	3000 Kent Avenue			
		City:	West Lafayette			
☐ Yes ⊠ No	☐ Yes ⊠ No		· ·			
		State:	IN			
		Country:	USA Zip: 47906	_		
3. Nature of Conveyance:		Additional name(s)	and addresses attached? 🗌 Ye	es ⊠ No		
Execution Date(s): Vyas 9/18/07; Bajaj 09/21/07; and Peroulis 9/21/07						
	☐ Change of Name	Execu	ıtive Order 9424, Confirmato	ry License		
Security Agreement	☐ Merger	☐ Joint F	Research Agreement			
☐ Government Interest Assignment	Other					
4. Application or patent number(s).A. Patent Application No.(s) 11/809,070		lent is being filed toget ■ B. Patent No.(s) ■ B. Patent No.(s)	her with a new application.			
Name and address of party to whore correspondence concerning documentalists:	n		oplications and patents involv	ed: <u>1</u>		
BRINKS HOFER GILSON	1 & LIONE	7. Total fee (37 CFF	R 1.21(h) & 3.41)	\$ <u>40.00</u>		
P.O. BOX 10395 CHICAGO, IL 60610 (312) 321-4200 (312) 321-4299 Fax		 ☐ Authorized to be charged by credit card. ☐ Authorized to be charged to Deposit Account No. 23-1925. 				
		☐ Enclosed ☐ None required (go	vernment interest not affecti	ng title)		
		8. Payment Informa	ıtion:			
		a. Credit Card: Last 4 Numbers Expiration Date				
		b. 🛭 Charge fee and Account Numbe Authorized User		İ		
9. Signature:			14 00004.0004.14 0.4			
Signature		Octobe	er 1, 2007	-		
Jon H.Bea	uoré		e ges including cover			
Name of Perso		•	s, and documents: 6			
Documents to be recorded						

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

700344409

REEL: 019905 FRAME: 0948

Attorney Docket No. <u>12264/229</u> Client Reference No. <u>64848.10.US</u>

ASSIGNMENT

WHEREAS, Ashwin Vyas, Anil K. Bajai, and Dimitrios Peroulis, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled NONLINEAR MICROMECHANICAL RESONATOR, for a full description of which reference is here made to an application for Letters Patent of the United States filed on May 31, 2007 and assigned Application Serial No. 11/809,070;

WHEREAS, <u>Purdue Research Foundation</u>, a not-for-profit organization existing under the laws of the State of <u>Indiana</u>, having a place of business at <u>3000 Kent Avenue</u>, <u>West Lafayette</u>, <u>Indiana</u>, <u>47906</u>, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

PATENT REEL: 019905 FRAME: 0949

Attorney Docket No. <u>12264/229</u> Client Reference No. <u>64848.10.US</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

rainana or institiventor, it any	
Ashwin Vyas	09/18/07
Second inventor's signature	Date
Ashwin Uyas	
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India	
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Full name of sole or first inventor	
Anil K. Bajaj	
Sole or first hyventor's signature Date	
Sole or first inventors signature Date 09/21/07	
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Full name of third inventor, if any	
Dimitrios Peroulis	
Fourth inventor's signature	Date
429row	09/2/107
Residence (City, State/Foreign Country)	
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Citizenship	
Greece	
Mailing Address	
375 Brown Street, Apt. 619, West Lafayette, IN 47906	·

STATE OF Indiana) SS. COUNTY OF Inspecance)
COUNTY OF Suppreance)
I, <u>Kimber ley E Gos Cho</u> , a Notary Public in and for the County and State aforesaid, do hereby certify that <u>Ashin Vyas</u> , personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth. IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 17th day of <u>Lystandra</u> , 2007.
Notary Public Lunty of Superconse my commission cupires 4/10/08
STATE OF Indiana) SS. COUNTY OF Ippicance)
I, Kimberley E Gaschs, a Notary Public in and for the County and State aforesaid, do hereby certify that Anil K. Bajai, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth. IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 21 day of Applember, 2007.
Winds to Cl. of the

Notary Public County of Supplicance
My Commission uxpires 4/15/08

COUNTY OF Supplication)) ss.)		
I, <u>Kimberl</u>	ey E Gascho	, a Notary Public in	and for the
County and State aforesaid, of	lo hereby certify that	Dimitrios Peroulis, personal	ly known to
me to be the same person wh	iose name is subscrib	ed to the foregoing instrume	nt, appeared
before me this day in person	and acknowledged th	nat (s)he signed, sealed and d	lelivered the

Kemberley & Hascho
Notary Public
County of Syppecanoc
My Commission cypires 4/15/68