FORM PTO-159\$	U.S. DEPARTMENT OF COMMERCE Patent and Tradomark Office						
RECORDATION FOR							
73-99 PATENTS ONLY							
To the Honorable Commissioner of Petents and Trademarks: P	4						
Name of conveying party(ies):	Name and address of receiving party(ies)						
Seongwon KIM	Name: University of Washington						
Mani SOMA	Address: 1107 NE 45th Street						
Additional name(s) of convaying party(iss) attached? 🗆 Yes 🛮 No	Seattle, Washington 98105						
3. Nature of conveyance:							
⊠ Assignment □ Merger							
☐ Security Agreement ☐ Change of name							
□ Other	Additional name(s) & address(es) attached? ☐ Yes ⊠ No						
Execution Date: 10/19/00; 10/17/00							
4. Application number(s) or patent number(s):							
If this document is being filed together with a n application is	ew application, the execution date of the						
A. Patent Application No.(s) 09/669,487	B. Patent No.(s)						
Additional numbers a	ttached? ☐ Yes ⊠ No						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:						
Name: <u>Greenlee, Winner & Sullivan, P.C.</u>	7. Total fee (37 CFR 3.41): \$40						
Internal Address:	□ Enclosed						
Street Address: 5370 Manhattan Circle,	Authorized to be charged to deposit account						
Suite 201	8. Deposit Account Number 07-1969						
City: Boulder State: CO ZIP: 80303							
DO NOT US	E THIS SPACE						
Susan K. Doughty Signatur Signatur	K, Boylty November 6, 2000						

PATENT **REEL: 011092 FRAME: 0896**

73-99

ASSIGNMENT

WHEREAS, WE, Seongwon Kim and Mani Soma (herein called "ASSIGNORS"), residing at 7636C 230th Street SW, Edmonds, WA 98026 and 12043 11th Avenue, NW, Seattle, WA 98177-4611, respectively, are the inventors of the invention "CHARGE-BASED FREQUENCY MEASUREMENT BIST", for which an application for a Patent of the United States was filed September 25, 2000, Serial No. 09/669,487

WHEREAS, University of Washington (herein called "ASSIGNEE"), an organization existing under the laws of the State of Washington, having a principal place of business at 1107 NE 45th Street, Seattle, Washington 98105, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States Application and all continuations and subsequent applications, including divisional applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority of the United States under the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our signatures.

Date: 10/19/2000

Seongwon Kim

STATE OF

) ss.

COUNTY OF

BEFORE ME, the undersigned authority, on this 19 day of other, 2000, personally appeared Seongwon Kim, known to me to be the person whose name is subscribed to the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary Public

Ay Commission expires:

Date: October 17, 200	<u>, D</u>			and	Mani Soma
STATE OF)) ss.				
COUNTY OF)				
BEFORE ME, the unders personally appeared Mani Soma foregoing instrument and who ac	known to me	to be the ome that	he execute	nose name is su	foscribed to are

(SEAL)=

y Sommission expires:

RECORDED: 11/06/2000

will for the purposes and consideration therein expressed.

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