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<p>1. Name of conveying parties:</p> <p>1. Blair H. Brumley 2. Fran Rowe 3. Mark A. Vogt</p> <p>Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No</p>	<p>Name and address of receiving party:</p> <p><b>Name:</b> Teledyne RD Instruments, Inc. <b>Street Address:</b> 14020 Stowe Drive <b>City:</b> Poway <b>State:</b> CA <b>ZIP:</b> 92064</p> <p>Additional name(s) of receiving party(ies) attached? ( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date:</p> <p>1. September 20, 2006 2. September 13, 2006 3. September 13, 2006</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Application(s) filed herewith</p> <p>Additional numbers attached? ( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> RDINS.069A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40 (X) Enclosed</p>	<p>8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>John M. Carson</u> Name of Person Signing</p> <p><u>[Signature]</u> Signature</p> <p><u>9/28/06</u> Date</p> <p>34,303 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: <u>4</u></p>	

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ASSIGNMENT

WHEREAS, We, Blair H. Brumley, a U.S. citizen, residing at 3151 Morning Way, La Jolla, CA 92037, Fran Rowe, a U.S. citizen, residing at 5723 Lodi Street, San Diego, CA 92117 and Mark A. Vogt, a U.S. citizen, residing at 11373 Vista Elevada, San Diego, CA 92131, have invented certain new and useful improvements in a SYSTEM AND METHOD FOR ACOUSTIC DOPPLER VELOCITY PROCESSING WITH A PHASED ARRAY TRANSDUCER INCLUDING USING DIFFERENTLY CODED TRANSMIT PULSES IN EACH BEAM SO THAT THE CROSS-COUPLED SIDE LOBE ERROR IS REMOVED for which we have executed an application for Letters Patent in the United States, on even date herewith;

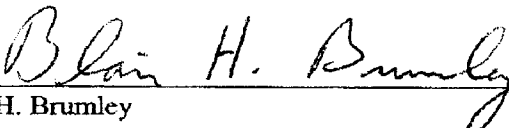
AND WHEREAS, Teledyne RD Instruments, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 14020 Stowe Drive, Poway, CA 92064, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we 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, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements 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 of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue 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 patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20<sup>th</sup> day of September, 2006

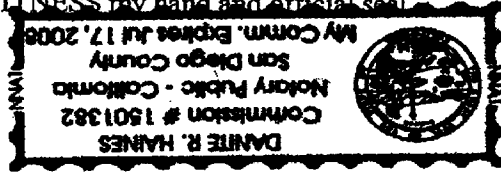
  
Blair H. Brumley

STATE OF California }  
COUNTY OF San Diego } ss.

On 20 September 06 before me, Danite R Haines, personally appeared Blair H. Brumley personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Danite R. Haines  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13<sup>th</sup> day of September, 2006

Fran Rowe  
Fran Rowe

STATE OF California }  
COUNTY OF San Diego } ss.

On 13 Sept 2006, before me, Danite R Haines, personally appeared Fran Rowe personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

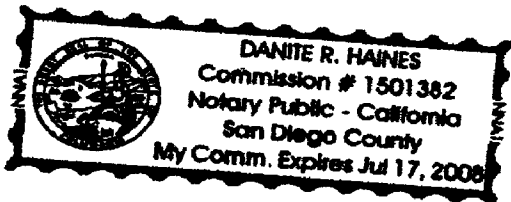
WITNESS my hand and official seal.

[SEAL]

Danite R. Haines  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13<sup>th</sup> day of September, 2006

Mark A. Vogt  
Mark A. Vogt

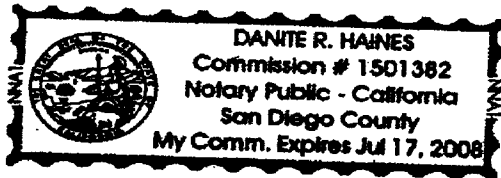


STATE OF *California* }  
COUNTY OF *San Diego* } ss.

On *13 Sept 2006*, before me, *Dante R Haines*, personally appeared Mark A. Vogt personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



*Dante R Haines*  
Notary Signature

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