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IMRA AMERICA, INC.  
1044 Woodridge Avenue, Ann Arbor, Michigan 48105  
Additional name(s) & address(es) attached?  Yes  No

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Execution Date: October 25, 2006

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)  
11/546,998  
Additional numbers attached?  Yes  No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
23373  
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6. Total number of applications and patents involved:  
1  
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/Richard Turner/ \_\_\_\_\_ November 13, 2006  
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## Assignment

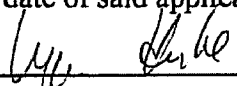
Whereas, We, Ingmar HARTL of Ann Arbor, Michigan, and MARTIN FERMANN of Dexter, Michigan, respectively, hereinafter called assignors, have invented certain improvements in LASER BASED FREQUENCY STANDARDS AND THEIR APPLICATION and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and


Whereas, IMRA AMERICA, INC., 1044 Woodridge Avenue, Ann Arbor, Michigan 48105 (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 11/546,998 and Confirmation number \_\_\_\_\_, filed October 13, 2006) the application number and filing date of said application when known.

Date: 25 October 2006   
\_\_\_\_\_  
s/Ingmar HARTL

Date: 10/25/2006   
\_\_\_\_\_  
s/Martin FERMANN

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)