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Docket No. 1008-024US01

01-19-2005

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

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This document is to be recorded against the following patent application or patent:

Patent Application No.(s)	Patent No.(s)
10/952,713	

Additional numbers attached?  Yes  No

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Name and address of party to whom correspondence concerning document should be mailed:  Name: Kent J. Sieffert Address: Shumaker & Sieffert, P.A. 8425 Seasons Parkway, Suite 105 St. Paul, MN 55125	Total number of applications and patents involved: 1
	Total fee (37 CFR 3.41): \$40.00
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Kent J. Sieffert Name of Person Signing Reg. No.: 41,312	 Signature	January 11, 2005 Date
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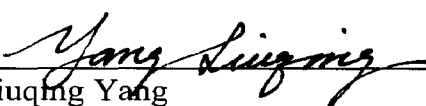
ASSIGNMENT

For valuable consideration, we, Georgios B. Giannakis of 2561 Abbey Hill Dr., Minnetonka, Minnesota 55305, Liuqing Yang of 4934 NW 43rd Ave., #105, Gainesville, Florida 32606 and Xiliang Luo of 425 13<sup>th</sup> Avenue SE, Apt. 1701, Minneapolis, Minnesota 55414, hereby assign to: Regents of the University of Minnesota, having a place of business at: 450 McNamara Alumni Center, 200 Oak St. SE, Minneapolis, MN 55455-2070; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled PULSE SHAPER DESIGN FOR ULTRA-WIDEBAND COMMUNICATIONS, filed September 29, 2004, and assigned U.S. Serial Number 10/952,713; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

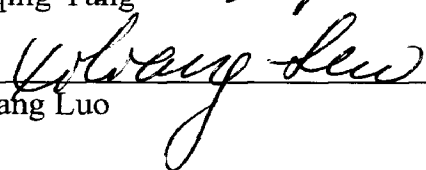
Date: 01/05/05

  
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Georgios B. Giannakis

Date: 01/04/05

  
\_\_\_\_\_  
Liuqing Yang

Date: 01/04/05

  
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Xiliang Luo