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Name: Kent J. Sieffert
Address: Shumaker & Sieffert, P.A.
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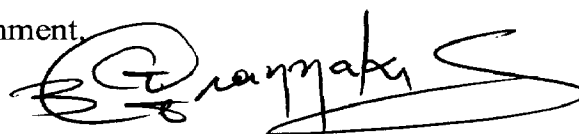
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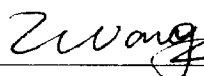
For valuable consideration, we, Georgios B. Giannakis of 2561 Abbey Hill Dr., Minnetonka , Minnesota 55305, Zhengdao Wang of 220 Raphael Ave. #3, Ames, Iowa 50014 and Shengli Zhou of 1111 Hamline Ave. N. #27, St. Paul, Minnesota 55108, hereby assign to: Regents of the University of Minnesota, having a place of business at: 450 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 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 WIRELESS COMMUNICATION SYSTEM HAVING ERROR-CONTROL CODER AND LINEAR PRECODER, filed April 21, 2003, and assigned U.S. Serial Number 10/420,361; 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: July 16, 2003



Georgios B. Giannakis

Date: 07/16/03



Zhengdao Wang

Date: 07/16/2003



Shengli Zhou