

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Bryan S. Shelton</td><td>12/28/2004</td></tr><tr><td>Marek K. Pabisz</td><td>12/21/2004</td></tr><tr><td>Mark Gottfried</td><td>12/21/2004</td></tr><tr><td>Linlin Liu</td><td>12/21/2004</td></tr><tr><td>Milan Pophristic</td><td>12/21/2004</td></tr><tr><td>Michael Murphy</td><td>12/21/2004</td></tr><tr><td>Rick Stall</td><td>12/22/2004</td></tr></tbody></table>	Name	Execution Date	Bryan S. Shelton	12/28/2004	Marek K. Pabisz	12/21/2004	Mark Gottfried	12/21/2004	Linlin Liu	12/21/2004	Milan Pophristic	12/21/2004	Michael Murphy	12/21/2004	Rick Stall	12/22/2004	
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<table border="1"><tr><td>Name:</td><td>Emcore Corporation</td></tr><tr><td>Street Address:</td><td>145 Belmond Drive</td></tr><tr><td>City:</td><td>Somerset</td></tr><tr><td>State/Country:</td><td>NEW JERSEY</td></tr><tr><td>Postal Code:</td><td>08873</td></tr></table>	Name:	Emcore Corporation	Street Address:	145 Belmond Drive	City:	Somerset	State/Country:	NEW JERSEY	Postal Code:	08873							
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CORRESPONDENCE DATA																	
Fax Number: (973)422-2963 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Address Line 4: Roseland, NEW JERSEY 07068																	
ATTORNEY DOCKET NUMBER:	18473-34																
NAME OF SUBMITTER:	Rohini K. Garg																

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REEL: 021784 FRAME: 0849

Total Attachments: 2
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ASSIGNMENT

WHEREAS, Bryan^S Shelton, residing at 414 William Street, Bound Brook, NJ, citizen of the United States; Marek K. Pabisz, 261 Violet Court, Quakertown, PA, citizen of the United States; Mark Gottfried, 9 Strawberry Lane, Hillsborough, NJ citizen of United States; Linlin Liu, 50 Shire Ct., Hillsborough, NJ, citizen of China; Milan Pophristic, 62 TEE-AR PL., Princeton, NJ 08549, citizen of Serbia and Montenegro; Michael Murphy, 1 JFK Blvd. #9J, Somerset, NJ, citizen of the United States; and Rick Stall, Belle Meade, NJ citizen of the United States (hereinafter "ASSIGNOR") are the inventors of the invention entitled **GALLIUM NITRIDE SEMICONDUCTOR DEVICES** for which we have executed an application for a Patent of the United States on even date herewith.

And WHEREAS, Emcore Corporation (hereinafter "ASSIGNEE"), a New Jersey Corporation having a business address at 145 Belmont Drive, Somerset, New Jersey 08873, is desirous of obtaining out 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 me in the hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said ASSIGNOR(s), have sold, assigned, transferred and set over, and by the presents do hereby sell, assign, transfer and set over, unto the said ASIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; 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 rights derived from said United States application under the Patent Laws of the United States, 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 of countries foreign to the United States and all extensions, renewals and reissues thereof.

AND I/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.

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

AND I/WE HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, 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 I hereunto set my hand and seal the day and year opposite my signature.

12/28/2004
(Date)

Bryan A. Shelton
Bryan Shelton

12/21/2004
(Date)

Marek K. Pabisz
Marek K. Pabisz

12/21/2004
(Date)

Mark Gottfried
Mark Gottfried

12/21/2004
(Date)

Liplin Liu
Liplin Liu

12/21/2004
(Date)

Milan Pophristic
Milan Pophristic

12/21/2004
(Date)

Michael Murphy
Michael Murphy

12/22/04
(Date)

Rick Stall
Rick Stall