### 501919845 05/14/2012

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Wolfgang Freude	03/28/2012
Christian Koos	03/28/2012
Nicole Lindenmann	03/28/2012
Juerg Leuthold	03/28/2012

#### RECEIVING PARTY DATA

Name:	Karlsruher Institut fuer Technologie
Street Address:	Kaiserstrasse 12
City:	Karlsruhe
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### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13385504

# CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 31775-320435

NAME OF SUBMITTER: Robert Kinberg

Total Attachments: 2

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PATENT REEL: 028204 FRAME: 0136 .00 13385504

# ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Wolfgang FREUDE of Karlsruhe, Christian KOOS of Siegelsbach, Nicole LINDENMANN of Karlsruhe, and Juerg LEUTHOLD of Walzbachtal, all of Germany, hereinafter referred to as the Assignor(s), have invented a certain improvement relating to a PHOTONIC WIRE BONDS, which said Assignor has caused an application for United States Letters Patent to be prepared, [ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office. [xx] said application having been filed in the United States Patent and Trademark Office on February 23, 2012, Application No. 13/385,504. [ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_ No. \_\_\_\_, the United States of America being designated. AND WHEREAS Karlsruher Institut fuer Technologie, Kaiserstrasse 12, 76131 Karlsruhe, Germany, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title, and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues, and prolongations thereof; NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said Assignee to said Assignor, the receipt of which is hereby acknowledged, said Assignor hereby assigns, sells, and transfers to said Assignee, and said Assignee's successors and assigns, the entire and exclusive right, title, and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues, and prolongations thereof, said Assignee, and said Assignee's successors and assigns, to have, hold, exercise, and enjoy the said application, including any all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues, and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said Assignee, and said Assignee's successors and assigns, in as ample and beneficial a manner as the said Assignor might or could have held and enjoyed the same if this Assignment had not been made. AND said Assignor hereby agrees to perform, upon the request of said Assignee or said Assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues, and prolongations thereof. AND said Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue the Letters Patent on said application, and on any and all divisions and continuations thereof, to said Assignee, and said Assignee's successors and assigns, in accordance herewith. IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed. EXECUTED this 2PK day of March . 2012. WITNESS: ASSIGNOR: Signature: Signature Name: Wolfgang FREUDE Name: Address WITNESS Signature Name:

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Address:

EXECUTED this 28 day of Manul 2012.  ASSIGNOR:  Signature: (M) (0)  Name: Christian KOOS	WITNESS: Signature: Name: Address: WITNESS: Signature: Name: Address:
EXECUTED this day of 2012. ASSIGNOR: Signature: Name: Nicole LINDENMANN	WITNESS: Signature: Name: Address: Signature: Name: Address: Address: Signature: Name: Address:
EXECUTED this	WITNESS: Signature: Name: Address: Signature: Name: Address:

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