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## PATENTS ONLY

Attorney Docket No. 536-009.051

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## 1. Name of conveying party(ies):

Martin KITTLER, Manfred REICHE

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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Execution date(s): August 15, 2011

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other

## 2. Name and address of receiving party(ies):

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## 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)

13/138,199

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Cathy A. Sturmer, Reg. No. 60,869  
Ware, Fressola, Van Der Sluys & Adolphson LLP  
Bradford Green, Building Five  
755 Main Street  
P.O. Box 224  
Monroe, CT 06468-02246. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account☐ None required

## 8. Payment Information

Deposit Account Number: 23-0442Authorized User Name: Cathy A. Sturmer

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*To the best of my knowledge and belief, the foregoing information is true and correct and any attachment copy is a true copy of the original document.*

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PATENT

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**ASSIGNMENT AND AGREEMENT**

**FOR VALUE RECEIVED, We, Dr. Martin KITTLER and Dr. Manfred REICHE**, citizens of Germany, and residing at Kastanienallee 4, 15234 Frankfurt (Oder), GERMANY and Ackerweg 98, 06130 Halle, GERMANY, respectively, hereby sell, assign and transfer to **IHP GmbH - INNOVATIONS FOR HIGH PERFORMANCE MICROELECTRONICS / LEIBNIZ-INSTITUT FÜR INNOVATIVE MIKROELEKTRONIK**, a corporation duly organized and existing under the laws of Berlin, Germany, and having a principal place of business at Im Technologiepark 25, D-15236, Frankfurt (Oder), Germany, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a **THERMOELECTRIC SEMICONDUCTOR COMPONENT**, which was transmitted to the United States Patent and Trademark Office by the International Bureau, for which commencement of the national stage in the U.S.A. is sought under an application for Letters Patent of the United States now bearing serial number 13/138,199, in furtherance of which a Declaration in accordance with 35 U.S.C. 371 is executed by us on even date herewith; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

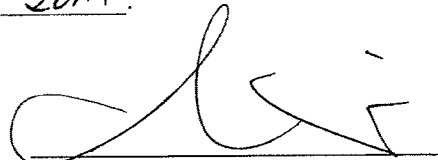
We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial property, as amended, or by convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty

which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Frankfurt (O.) this 15<sup>th</sup> day of August, in the year 2011.



Dr. Martin Kittler

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness Karina Schöke Date 2011/08/15

Witness \_\_\_\_\_ Date \_\_\_\_\_

Signed at Frankfurt (O.) this 15<sup>th</sup> day of  
August, in the year 2011.



Dr. Manfred Reiche

Signed in our presence and acknowledged to be an assignment of the application  
(invention) herein above referred to.

Witness Karina Ploke Date 2011/08/15

Witness \_\_\_\_\_ Date \_\_\_\_\_