

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4428447

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KARTHIK BALAKRISHNAN	05/16/2017
BAHMAN HEKMATSHOARTABARI	05/16/2017
ALEXANDER REZNICEK	05/23/2017
JENG-BANG YAU	05/16/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15603611
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<b>ATTORNEY DOCKET NUMBER:</b>	YOR920170128US1
<b>NAME OF SUBMITTER:</b>	ROBERT MAURI
<b>SIGNATURE:</b>	/Robert Mauri/
<b>DATE SIGNED:</b>	05/24/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 5</b>	
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**PATENT**

**REEL: 042488 FRAME: 0514**

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN  
APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

**TITLE OF INVENTION: BIPOLAR JUNCTION TRANSISTORS AND METHODS FORMING SAME**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

☐ United States application or PCT international application number \_\_\_\_\_  
filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

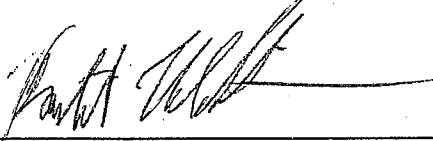
Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: **Karthik Balakrishnan**

Signature:  Date: 5/16/2017

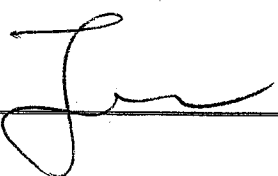
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Signature:  Date: 5/16/2017

(3) Legal Name of Inventor: Alexander Reznicek

Signature: Alexander Reznicek Date: May 23, 2017

(4) Legal Name of Inventor: **Jeng-Bang Yau**

Signature:  Date: 5/16/2017