

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Dr. Thomas Happ	07/20/2010
Dr. Jan Boris Philipp	07/20/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Qimonda AG
<b>Street Address:</b>	Gustav-Heinemann-Ring 212
<b>City:</b>	Munich
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	81739
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12692044
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)573-2005
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	612-573-2000
<b>Email:</b>	office@dbclaw.com
<b>Correspondent Name:</b>	Dicke, Billig & Czaja, PLLC
<b>Address Line 1:</b>	100 South Fifth Street
<b>Address Line 2:</b>	Suite 2250
<b>Address Line 4:</b>	Minneapolis, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	Q600.159.101
<b>NAME OF SUBMITTER:</b>	Steven E. Dicke
<b>Total Attachments: 2</b> source=600159101_Executed_Assignment#page1.tif source=600159101_Executed_Assignment#page2.tif	

CH \$40.00 12692044

**501256260**

**PATENT**  
**REEL: 024807 FRAME: 0188**

### ASSIGNMENT

For good and valuable consideration, I, Dr. Thomas Happ, a citizen of Germany, residing at Hochalmstr. 18, Muenchen, Germany 81825, and Dr. Jan Boris Philipp, a citizen of Germany, residing at Berg-Am-Laim-Str. 69a, Muenchen, Germany 81673, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **Qimonda AG**, a corporation organized and existing under the laws of Germany, having its principal place of business at Gustav-Heinemann-Ring 212, 81739 Munich, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on January 22, 2010

US. Serial No. 12/692,044,


entitled: **RESISTIVE MEMORY CELL ACCESSED USING TWO BIT LINES**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: \_\_\_\_\_

  
NAME: Dr. Thomas Happ

DATE: \_\_\_\_\_

7/20/10

SIGNATURE: \_\_\_\_\_

NAME: Dr. Jan Boris Philipp

DATE: \_\_\_\_\_

### ASSIGNMENT

For good and valuable consideration, I, Dr. Thomas Happ, a citizen of Germany, residing at Hochalmstr. 18, Muenchen, Germany 81825, and Dr. Jan Boris Philipp, a citizen of Germany, residing at Berg-Am-Laim-Str. 69a, Muenchen, Germany 81673, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **Qimonda AG**, a corporation organized and existing under the laws of Germany, having its principal place of business at Gustav-Heinemann-Ring 212, 81739 Munich, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on January 22, 2010

US. Serial No. 12/692,044,

entitled: **RESISTIVE MEMORY CELL ACCESSED USING TWO BIT LINES**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

NAME: Dr. Thomas Happ

SIGNATURE: \_\_\_\_\_

DATE: 20.07.2010

NAME: Dr. Jan Boris Philipp