

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Thomas Happ	06/25/2008
Franz Kreupl	06/25/2008
Jan Boris Philipp	06/25/2008
Petra Majewski	06/25/2008
RECEIVING PARTY DATA	
Name:	Qimonda AG
Street Address:	Gustav-Heinemann-Ring 212
City:	Munich
State/Country:	GERMANY
Postal Code:	81739
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12145608
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ATTORNEY DOCKET NUMBER:	1700.0015C
NAME OF SUBMITTER:	Andrew J. Aldag
Total Attachments: 2	

OP \$40.00 12145608

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PATENT
REEL: 021148 FRAME: 0448

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ASSIGNMENT

For good and valuable consideration, WE, Thomas Happ, a citizen of Germany, residing at Wolgaster Str. 2, 01109 Dresden, Germany, Franz Kreupl, a citizen of Germany, residing at Mandlstr. 24, 80802 Munich, Germany, Jan Boris Philipp, a citizen of Germany, residing at Berg-Am-Laim-Str. 69a Munich, Germany, and Petra Majewski, a citizen of Germany, residing at Alter Messeplatz 6 80339 Munich, Germany, 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

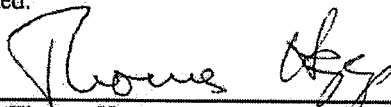
**entitled: Resistive Memory Devices with
Improved Resistance Changing Elements**

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

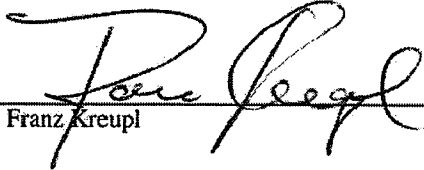
Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed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

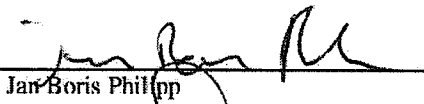
SIGNATURE: _____

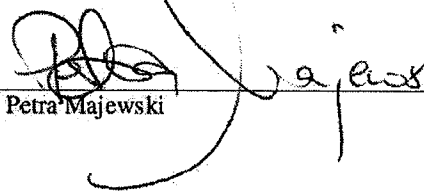

Thomas Happ

DATE: _____

6/25/08

SIGNATURE:  DATE: 6-25-08
Franz Kreupl

SIGNATURE:  DATE: June 25, 2008
Jan-Boris Philipp

SIGNATURE:  DATE: June 25, 2008
Petra Majewski