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103514314 To the Honorable Director of the United States Patent and al documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): THOMAS BRUNE Name: THOMSON Licensing JENS PETER WITTENBURG Internal Address: Additional name(s) of X No conveying party(ies) Street: 46 Quai A. Le Gallo attached: F-92100 Boulogne-Billancourt, France 3. Nature of convenance: Merger Assignment Change of Name Security Agreement Other Execution Date: May 13 and 21, 2008, respectively Additional name(s) & address(es)attached? X No 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): PCT/EP2006/69265 B. Patent No.(s) Additional numbers attached? Yes No X 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: JOSEPH J. LAKS Internal Address: PATENT OPERATIONS 7. Total Fee (37 CFR 3.41): \$40.00 THOMSON LICENSING LLC _ Enclosed Authorized to be charged to deposit account Street Address: P. O. Box 5312 8. Deposit account number: 07-0832 City: PRINCETON State: NEW JERSEY Zip: 08543-5312 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Jul 911,208 <u>JEFFREY M. NAVON</u> Name of Person Signing inature - Reg. No. 32,711

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PATENT REEL: 021251 FRAME: 0099

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Thomas Brune, Konkordiastr. 15, 30449 Hannover, Germany; Jens Peter Wittenburg, Arnikaweg 33, 30916 Isernhagen, Germany; hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to

Method and Apparatus for recording high-speed input data into a matrix of memory devices

for which said assignor has caused an application for United States Letters Patent to be prepared, the specification of which was filed on 04/DEC/2006 as Application Serial No. PCT/EP 06/069265, or, if not identified here by filing date and serial number, 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.

AND WHEREAS

Thomson Licensing 46 Quai A. le Gallo F-92100 Boulogne-Billancourt France

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 therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for 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 and all divisions and continuations thereof, and the said invention and any and 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 anywise 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 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.

PATENT REEL: 021251 FRAME: 0100 EXECUTED, this 13 day of May, 2008.

WITNESSES:

Signature: 9.2/

Name:

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Signature: C. Nedo 1010 &

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Cordula Ratajczak

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EXECUTED, this 21

__day of_*___/*/

, 2008

WITNESSES:

Signature: 9. 2/17 de

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ASSIGNOR:

Name: Thomas Brune

Signature:

Signature:

Name: Jens Peter Wittenburg

PATENT REEL: 021251 FRAME: 0101

RECORDED: 07/11/2008