PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Moritz Helmstaedter	04/12/2010
Winfried Denk	04/14/2010

RECEIVING PARTY DATA

Name:	Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V.		
Street Address:	Hofgartenstrabe 8		
City:	Munchen		
State/Country:	GERMANY		
Postal Code:	80539		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12597406	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 0050.2110-002

NAME OF SUBMITTER: Meredith Eschauzier

Total Attachments: 4

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PATENT REEL: 024289 FRAME: 0566

Multi-Joint

ASSIGNMENT

WHEREAS, we, Moritz Helmstaedter and Winfried Denk, together with coinventor(s) H. Sebastian Seung, Joseph F. Murray, Viren Jain and Srinivas C. Turaga, have invented a certain improvement in METHOD AND APPARATUS FOR IMAGE PROCESSING described in an application for Patent,

	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
	is about to be filed in the United States Patent Office as a Provisional Application
	the specification of which is United States Application No. [], filed [];
\boxtimes	the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2008/005303, tiled 24 April 2008, which designates the United States of America;
	which was patented under United States Patent No. [].

WHEREAS, Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Germany, and having a usual place of business at Hofgartenstraße 8, 80539 München, Germany desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

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AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Moritz Helmstaedter Address Bluntschlistrasse 13 69115 Heidelberg, Germany Witness Signature J. Have Prim Witness Name Janina Hanne Address Brombeorusg 6 69493 Hirschberg	Inventor	M. tumper	w	_Date_	12	Apr	2010
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the specification of which is United States Application No. [], filed [];
the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2008/005303, filed 24 April 2008, which designates the United States of America;
which was patented under United States Patent No. [].

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NOW. THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

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Docket No. 0050.2110-001

Inventor	Wife	Duc	Date 14th April 2010
	Winfried		·
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Print Witness Name	Sarah-Jar	ne Mooreh	ead
Address	19700 Heli	xDrive	
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Witness Signature_	Crystal Sull	ivan	um y wymnawd halaig i dan (r. c.) gant afa, maraf a f a hyggarannan a annanannan annan annan annan annan ann
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