

08-25-2005

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

103068413

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies):

Mikhail KALUZHNY

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s): June 14, 2005

- ☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

## 2. Name and address of receiving party(ies)

Name: EM4, Inc.

Internal Address:

Street Address:

7 Oak Park Drive

City: Bedford

State: MA

Country: U.S.A. Zip: 01730

Additional name(s) & address(es) attached: ☐ Yes ☒ No

## 4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael A. Diener  
WILMER CUTLER PICKERING HALE AND  
DORR LLP

Internal Address: Atty. Dkt.: 0112096.00140US1

Street Address: 60 State Street

City: Boston

State: MA Zip: 02109

Phone Number: (617) 526-6000

Fax Number: (617) 526-5000

Email Address:

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers  
Expiration Date

b. Deposit Account Number 08-0219

Authorized User Name Michael A. Diener

## 9. Signature:

Signature

August 18, 2005

Date

Michael A. Diener - 37,122

Total number of pages including cover sheet, attachments, and documents:

4

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40.00 BA

Express Mail Label No. EV 622196668 US Dated: August 18, 2005

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PATENT  
REEL: 016911 FRAME: 0045

**ASSIGNMENT**

WHEREAS, I, Mikhail Kaluzhny, a citizen of the United States and residing at 66 Elmore Street, Newton, Massachusetts 02459, am the inventor of a certain new and useful invention and discovery entitled “*FLEXIBLE COMPOUND EYE IMAGE SENSOR DESIGN*,” also identified as Attorney Docket Number 112096-140, the specification of which is being filed in the United States Patent and Trademark Office on even date herewith; and,

WHEREAS, EM4, Inc., whose address is 7 Oak Park Drive, Bedford, Massachusetts 01730, which, together with its successors and assigns is hereinafter called “ASSIGNEE,” is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said applications, and any and all Letters Patents, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patents to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to ASSIGNEE without encumbrance;

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to me or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by me, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns

which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

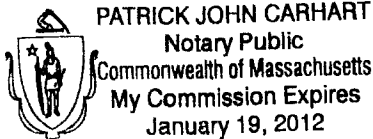
06/14/2005  
Date

Kamru  
Mikhail Kaluzhny

State of MA )

County of Middlesex )

On this 14<sup>th</sup> day of June, 2005, before me, the undersigned notary public, personally appeared **Mikhail Kaluzhny**, proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.



Patrick Carhart  
Patrick Carhart, Notary Public

My Commission Expires: 01/19/12