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United States Patent and Trademark Office

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PATENT

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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)/Execution Date(s):**

Andrew G. Cartlidge

Execution Date(s) May 2, 2005

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

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

Name: Andrew G. Cartlidge

Internal Address: \_\_\_\_\_

Street Address: 22 Commodore Place

City: Palm Beach Gardens

State: Florida

Country: USA Zip: 33418

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

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

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Gregory Turocy

Internal Address: Amin & Turocy, LLP

Street Address: 24th Floor, National City Center  
1900 E. 9th Street

City: Cleveland

State: Ohio Zip: 44114

Phone Number: 216-696-8730

Fax Number: 216-696-8731

Email Address: \_\_\_\_\_

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

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

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

**8. Payment Information**

a. Credit Card Last 4 Numbers 6807  
Expiration Date 08/06

b. Deposit Account Number 50-1063

Authorized User Name Gregory Turocy

**9. Signature:**

Signature

Gregory Turocy, 36,952

May 2, 2005

Date

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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**PATENT**  
**REEL: 016531 FRAME: 0060**

## **ADDITIONAL RECEIVING PARTIES**

Himanshu S. Amin  
37474 Mera Court  
Solon, Ohio 44139

Daniel B. Bortnick  
6069 Maplewood Road  
Mentor, Ohio 44060

Gregory Turocy  
31547 Hunters Creek Drive  
Westlake, Ohio 44145

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:  
Filing Date:           HEREWITH  
Inventorship:         Andrew G. Cartlidge  
Applicant:             Andrew G. Cartlidge; Himanshu S. Amin; Daniel B. Bortnick; and  
                           Gregory Turocy  
Title:                 INCREASING FILL-FACTOR ON PIXELATED SENSORS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor:

Andrew G. Cartlidge  
22 Commodore Place  
Palm Beach Gardens, Florida 33418

Assignees:

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Daniel B. Bortnick  
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Mentor, Ohio 44060

Gregory Turocy  
31547 Hunters Creek Drive  
Westlake, Ohio 44145

AGREEMENT

WHEREAS, ASSIGNORS are the inventors of an invention entitled "INCREASING FILL-FACTOR ON PIXELATED SENSORS" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Andrew G. Cartlidge, a resident of the State of Florida having a place of residence at 22 Commodore Place, Palm Beach Gardens, Florida 33418; Himanshu S. Amin, a resident of the State of Ohio having a place of residence at 37474 Mera Court, Solon, Ohio 44139; Daniel B. Bortnick, a resident of the State of Ohio having a place of residence at 6069 Maplewood Road, Mentor, Ohio 44060; and Gregory Turocy, a resident of the State of Ohio having a place of residence at 31547 Hunters Creek Drive, Westlake, Ohio 44145 (hereinafter referred to as ASSIGNEES), are desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries, the entire right, title and interest shared and owned in accordance with a Legal Services Agreement executed by Assignees Cartlidge, Amin, Bortnick, and Turocy;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto ASSIGNEES, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEES and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEES and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEES. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters

patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

2 MAY 05  
Date

[Signature]  
Andrew G. Cartlidge

**CERTIFICATE OF ACKNOWLEDGMENT**

State of Florida

County of Palm Beach

On May 2, 2005 before me, Kendall Haefeker,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Andrew G. Cartlidge  
Name(s) of Signer(s)

9 personally known to me - OR - 9 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Kendall Haefeker  
MY COMMISSION # DD192399 EXPIRES  
March 11, 2007  
BONDED THRU TROY FAJN INSURANCE, INC.

WITNESS my hand and official seal.

[Signature]  
Signature of Notary Public