

09-09-2009



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To the Director of the U.S. Patent

103573391

ied documents or the new address(es) below.

**1. Name of conveying party(ies)**

Massachusetts Institute Of Technology  
W911QY-05-1-0002

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

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

Execution Date(s) 3 August 2009

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

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

Name: UNITED STATES AIR FORCE

Internal Address: AFOSR/PK

Street Address: 875 N. RANDOLPH STREET

SUITE 325, RM 3112

City: ARLINGTON

State: VA

Country: USA Zip: 22203

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

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

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

A. Patent Application No.(s)

12/233,859

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: UNITED STATES AIR FORCE

Internal Address: AFOSR/PK

Street Address: 875 N. RANDOLPH STREET

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

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 0

- ☐ 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 \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Geraldine Wilson  
Signature

2009, 10 Sep  
Date

Name of Person Signing

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

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 023209 FRAME: 0594**

CONFIRMATORY INSTRUMENT

Application for: DENSE ARRAY OF FIELD EMITTERS USING VERTICAL  
BALLASTING STRUCTURES

Inventor(s): Akintunde I. Akinwande and Luis Fernando. Velasquez-Garcia

Serial Number: 12/233859

Filing Date: 9/19/2008

Grant No.: W911QY-05-1-0002

Contractor: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Case No.: 12775

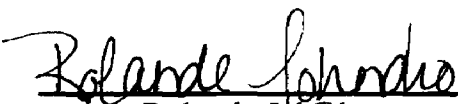
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Signed this 3<sup>rd</sup> day of August, 2009.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

By   
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Patent Compliance Administrator  
Technology Licensing Office

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