

Form PTO-1595 (Rev. 08/08)  
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U.S. DEPARTMENT OF COMMERCE  
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### RECORDATION FORM COVER SHEET PATENTS ONLY

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)**

William Johnstone Ray; and  
Mark David Lowenthal.

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

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

Name: NthDegree Technologies Worldwide Inc

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

Street Address: 1320 West Auto Drive

City: Tempe

State: Arizona

Country: US Zip: 85284

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

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

Execution Date(s) 08/12/2008

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- 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)

11/756,616

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Nancy R. Gamburd

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

Street Address: 600 West Jackson Blvd.

Suite 625

City: Chicago

State: Illinois Zip: 60661

Phone Number: 312-876-0460

Fax Number: 312-276-4176

Email Address: ngamburd@gamburdlaw.com

**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

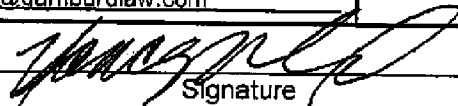
- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 501,262

Authorized User Name Nancy R. Gamburd

**9. Signature:**

Signature

August 24, 2008

Date

Nancy R. Gamburd  
Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 501262 11756616

## ASSIGNMENT AND AGREEMENT

For value received, we, **William Johnstone Ray** of the City of Fountain Hills in the County of Maricopa and State of Arizona, U.S.A., and **Mark David Lowenthal** of the City of Gilbert in the County of Maricopa and State of Arizona, hereby sell, assign and transfer to **NthDegree Technologies Worldwide Inc**, a corporation of the State of Delaware, having an office at 1320 West Auto Drive, Tempe, Arizona, 85284 U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD OF MANUFACTURING ADDRESSABLE AND STATIC ELECTRONIC DISPLAYS** described and claimed in an application for Letters Patent of the United States executed by us and filed on May 31, 2007 as U.S. Patent Application Serial No. 11/756,616 and all divisional, continuation and continuation-in-part applications thereof, and all the rights and privileges in said applications and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to NthDegree Technologies Worldwide Inc, the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize NthDegree Technologies Worldwide Inc to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of NthDegree Technologies Worldwide Inc to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to NthDegree Technologies Worldwide Inc in the United States and in all countries foreign to the United States, or to such nominees as NthDegree Technologies Worldwide Inc may designate.

NthDegree Technologies Worldwide Inc  
Assignment

We agree that, when requested, we shall, without charge to NthDegree Technologies Worldwide Inc but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date: 12 August 08, William Johnstone Ray  
William Johnstone Ray

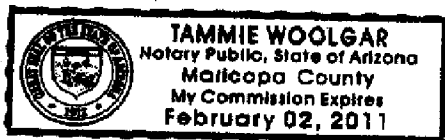
United States of America )

State of Arizona ) ss.:

County of Maricopa )

On this 12<sup>th</sup> day of August, 2008, before me personally came **William Johnstone Ray**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Tammie Woolgar  
Notary Public



NthDegree Technologies Worldwide Inc  
Assignment

*Mark P. Lowenthal*

**Mark David Lowenthal**

Date: August 12, 2008

United States of America )  
State of Arizona ) ss.:  
County of Maricopa )

On this 12<sup>th</sup> day of August, 2008, before me personally came **Mark David Lowenthal**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Tammie Woolgar*  
Notary Public



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