

# 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)

ECS HOLDINGS, INC.

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

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

Execution Date(s) FEBRUARY 20, 2014

- ☒ 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: CATALYTIC SOLUTIONS, INC.

Internal Address: SUITE 100

Street Address: 4567 TELEPHONE ROAD

City: VENTURA

State: CA

Country: US Zip 93003

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

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

A. Patent Application No.(s)

11731570

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

B. Patent No.(s)

8580216 5977017 8318629 8496896  
 5939354 6352955 7527776  
 7514055 7014825 7785551  
 6531425 7641875 7767175  
 6372686 7514055 7943097

Additional numbers attached? ☐ Yes ☒ No

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

Name: THADDIUS J. CARVIS

Internal Address: LAW OFFICES OF THADDIUS J. CARVIS

Street Address: 102 NORTH KING STREET

City: LEESBURG

State: VA Zip: 20176

Phone Number: (703) 737-7817

Docket Number: CDT A1000

Email Address: admin@tjcarvis.com

## 6. Total number of applications and patents involved: 17

## 7. Total fee (37 CFR 1.21(h) & 3.41) \$680.00

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

## 8. Payment Information

Deposit Account Number 502735

Authorized User Name THADDIUS J. CARVIS

## 9. Signature:

*Nancy S. Guth*  
Signature

MARCH 18, 2014

Date

NANCY S. GUTH

Name of Person Signing

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

4

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

PATENT


REEL: 032515 FRAME: 0462

ASSIGNMENT

For good and valuable consideration, ECS HOLDINGS, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 4567 Telephone Road, Suite 100, Ventura, CA 93003 (ECS) being joint owner of Patents listed in Schedule A attached to this Assignment, being free from all prior assignments and having their right to convey their entire interest, both legal and equitable herein assigned, do hereby sell, assign, transfer and set over unto CATALYTIC SOLUTIONS, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 4567 Telephone Road, Suite 100, Ventura, CA 93003, (CSI) it's successors and assigns, their entire right, title and interest in and to said Patents together with all patents either United States or foreign, which may be granted therefor, or on any other application claiming common priority thereto and all divisions, reissues, renewals, continuations, continuations-in-part, substitutes and extensions thereof.

And, ECS, hereby covenants and agrees that they will communicate to CSI, its successors and assigns, all facts known to them respecting said Patents, and will, upon its request at any time, testify in any legal proceedings, sign all lawful papers, execute all original, divisional, continuation, continuation-in-part, substitute and reissue applications and any other U.S. or international application claiming common priority to said Patents, execute all assignments, make all rightful oaths and generally do everything reasonable and proper to aid CSI, its successors, assigns and nominees, to obtain and enforce proper protection for said Patents in all countries.

IN WITNESS WHEREOF, I, NIKHIL A. MEHTA have hereunto set my hand and affixed my seal this 20 day of FEBRUARY, 2014.

  
\_\_\_\_\_  
Nikhil A. Mehta, President  
ECS HOLDINGS, INC.

State of California Ventura  
County of \_\_\_\_\_

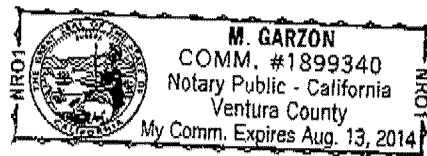
On 02/20/14 before me M. Garzon, Notary Public  
(Insert name and title of the officer.)

personally appeared Nikhil Atul Mehta, who proved to me  
on the basis of satisfactory evidence to be the person whose name is subscribed to the within  
instrument and acknowledged to me that he executed the same in his authorized capacity, and  
that by his signature on the instrument the person, or the entity upon behalf of which the  
person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature M. Garzon (Seal)



**ASSIGNMENT**  
**ECS HOLDINGS, INC. TO CATALYTIC SOLUTIONS, INC.**  
**SCHEDULE A**

COUNTRY	PATENT NO.	PATENT APPLICATION NO.	ATTORNEY DOCKET NO.
US	8580216		CDT PCS06-40221-US
US	5939354		CDT PCS06-40222-US
US	7514055		CDT PCS06-40222-USC
US	6531425		CDT PCS06-40222-USD
US	6372686		CDT PCS06-40222-USD1
US	5977017		CDT PCS06-40222-USP
US	6352955		CDT PCS06-40222-USP1
US	7014825		CDT PCS06-40222-USP2
US	7641875		CDT PCS06-40223-USPC
US	7514055		CDT PCS06-40224-USC
US	8318629		CDT PCS06-40225-US
US	7527776		CDT PCS07-40010-US
US	7785551		CDT PCS07-40010-USC
US	7767175		CDT PCS07-40010-USCP
US		11731570	CDT PCS07-40010-USP
US	7943097		CDT PCS07-40010-USP1
US	8496896		CDT PCS08-40119-USP