

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4378877

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY DATA NAME previously recorded on Reel 037300 Frame 0728. Assignor(s) hereby confirms the CHANGE OF NAME.

CONVEYING PARTY DATA

Name	Execution Date
AMS RESEARCH CORPORATION	12/17/2014

RECEIVING PARTY DATA

Name:	AMS RESEARCH, LLC
Street Address:	10700 BREN ROAD WEST
Internal Address:	PATENT DEPT
City:	MINNETONKA
State/Country:	MINNESOTA
Postal Code:	55343

PROPERTY NUMBERS Total: 133

Property Type	Number
Patent Number:	9084664
Patent Number:	9061125
Patent Number:	9089393
Patent Number:	8808162
Patent Number:	9179992
Patent Number:	8475357
Patent Number:	8852077
Patent Number:	7070556
Patent Number:	7988615
Patent Number:	6911003
Patent Number:	7686760
Patent Number:	8864648
Patent Number:	7407480
Patent Number:	8702585
Patent Number:	8777836
Patent Number:	6884212
Patent Number:	7517313
Patent Number:	8057382

PATENT

Property Type	Number
Patent Number:	8702586
Patent Number:	8905912
Patent Number:	9022921
Patent Number:	7608036
Patent Number:	8162814
Patent Number:	8684909
Patent Number:	7393320
Patent Number:	8608641
Patent Number:	D543626
Patent Number:	7357773
Patent Number:	7351197
Patent Number:	7993261
Patent Number:	8211005
Patent Number:	7722527
Patent Number:	8109866
Patent Number:	7811223
Patent Number:	8801595
Patent Number:	8636643
Patent Number:	8157722
Patent Number:	7722528
Patent Number:	7914437
Patent Number:	8771168
Patent Number:	9179991
Patent Number:	9060839
Patent Number:	8535217
Patent Number:	8968178
Patent Number:	8062206
Patent Number:	8206281
Patent Number:	7811222
Patent Number:	9144426
Patent Number:	8262557
Patent Number:	8517914
Patent Number:	8932201
Patent Number:	8628463
Patent Number:	8777837
Patent Number:	8388514
Patent Number:	8834350
Patent Number:	8597262

Property Type	Number
Patent Number:	8597173
Patent Number:	8708885
Patent Number:	8166977
Patent Number:	8968181
Patent Number:	8708887
Patent Number:	8992411
Patent Number:	8992414
Patent Number:	8550980
Patent Number:	8585577
Patent Number:	8371998
Patent Number:	8801593
Patent Number:	7828715
Patent Number:	8678995
Patent Number:	9192458
Patent Number:	8088131
Patent Number:	8979732
Patent Number:	D271175
Patent Number:	D721807
Patent Number:	D746462
Patent Number:	D736382
Patent Number:	9149351
Application Number:	14432390
Application Number:	14437103
Application Number:	14775203
Application Number:	14807382
Application Number:	14325584
Application Number:	13432652
Application Number:	14775183
Application Number:	14775188
Application Number:	14170305
Application Number:	14776067
Application Number:	14946068
Application Number:	14518159
Application Number:	14257475
Application Number:	14532576
Application Number:	14582311
Application Number:	14164462
Application Number:	14743259

Property Type	Number
Application Number:	14843317
Application Number:	14801288
Application Number:	14563567
Application Number:	13595287
Application Number:	14153717
Application Number:	14298471
Application Number:	14462140
Application Number:	12666953
Application Number:	14081728
Application Number:	14263184
Application Number:	13877695
Application Number:	14627537
Application Number:	14262997
Application Number:	13664915
Application Number:	13519492
Application Number:	14000270
Application Number:	13537977
Application Number:	14673253
Application Number:	13537612
Application Number:	14795508
Application Number:	13538322
Application Number:	14573859
Application Number:	14008208
Application Number:	14232043
Application Number:	14008170
Application Number:	13566613
Application Number:	14128991
Application Number:	13825997
Application Number:	13876034
Application Number:	13993752
Application Number:	13554176
Application Number:	29535453
Application Number:	14115239
Application Number:	14115245
Application Number:	14006875
Application Number:	14673213
Application Number:	14081514
Application Number:	14867593

Property Type	Number
Application Number:	14041774

CORRESPONDENCE DATA

Fax Number: (952)400-8357

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 952-238-3671

Email: linda.newton@astorahealth.com, marchione.linda@endo.com

Correspondent Name: SUSAN J THOMPSON

Address Line 1: 13200 PIONEER TRAIL, SUITE 100

Address Line 2: PATENT DEPT

Address Line 4: EDEN PRAIRIE, MINNESOTA 55347

ATTORNEY DOCKET NUMBER: MULTIPLE

NAME OF SUBMITTER: LINDA J. MARCHIONE

SIGNATURE: /Linda J. Marchione/

DATE SIGNED: 04/21/2017

Total Attachments: 11

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3659317

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
SEQUENCE:	4

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AMS RESEARCH CORPATION	12/17/2014

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Application Number:	14006875
Application Number:	14673213
Application Number:	14081514
Application Number:	14867593

PATENT

REEL: 037304 FRAME: 0731

REEL: 042308 FRAME: 0638

Property Type	Number
Application Number:	14041774

CORRESPONDENCE DATA

Fax Number: (952)400-8357
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.
Phone: 952-238-3671
Email: linda.newton@astorahealth.com
Correspondent Name: SUSAN J THOMPSON
Address Line 1: 13200 PIONEER TRAIL, SUITE 100
Address Line 2: PATENT DEPT
Address Line 4: EDEN PRAIRIE, MINNESOTA 55347

ATTORNEY DOCKET NUMBER:	MULTIPLE
NAME OF SUBMITTER:	SUSAN J. THOMPSON
SIGNATURE:	/Susan J. Thompson/
DATE SIGNED:	12/15/2015

Total Attachments: 6
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Delaware

PAGE 1

The First State

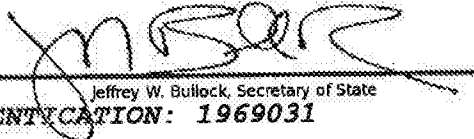
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "AMS RESEARCH CORPORATION" TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "AMS RESEARCH CORPORATION" TO "AMS RESEARCH, LLC", FILED IN THIS OFFICE ON THE SEVENTEENTH DAY OF DECEMBER, A.D. 2014, AT 4:24 O'CLOCK P.M.

2451184 8100V

141551814

You may verify this certificate online
at corp.delaware.gov/authver.shtml




Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 1969031

DATE: 12-17-14

PATENT
REEL: 037 ~~FOOTER~~ ME: 0733
REEL: 042308 FRAME: 0640

State of Delaware
Secretary of State
Division of Corporations
Delivered 04:24 PM 12/17/2014
FILED 04:24 PM 12/17/2014
SRV 141551814 - 2451184 FILE

**CERTIFICATE OF CONVERSION
FROM A CORPORATION
TO LIMITED LIABILITY COMPANY**

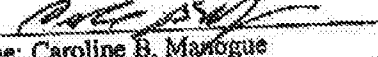
Pursuant to Sections 18-204 and 18-214 of the
Delaware Limited Liability Company Act
and Section 266 of the
General Corporation Law of the State of Delaware.

1. The name of the Corporation immediately prior to the filing of this Certificate of Conversion is AMS Research Corporation.
2. The Corporation was originally incorporated on the 9th day of November, 1994 under the laws of the State of Delaware. The Corporation's jurisdiction of incorporation immediately prior to the filing of this Certificate of Conversion is the State of Delaware.
3. The name of the limited liability company into which the Corporation shall be converted, as set forth in its Certificate of Formation, is AMS Research, LLC.
4. The Conversion has been approved in accordance with the provisions of Section 266 of the General Corporation Law of the State of Delaware.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Corporation has caused this
Certificate of Conversion to be executed in its name this 17th day of December, 2014.

AMS RESEARCH CORPORATION

By: 
Name: Caroline B. Manogue
Title: Executive Vice President, Chief
Legal Officer and Secretary

[Signature Page for Certificate of Conversion]

1142346-NYCSR03A - MSW

PATENT
REEL: 037308 FRAME: 0735
REEL: 042308 FRAME: 0642

Delaware

PAGE 2

The First State

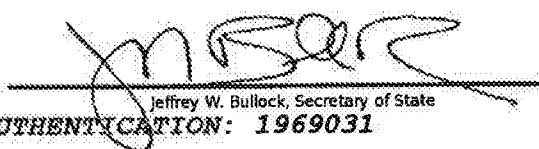
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "AMS RESEARCH, LLC" FILED IN THIS OFFICE ON THE SEVENTEENTH DAY OF DECEMBER, A.D. 2014, AT 4:24 O'CLOCK P.M.



2451184 8100V

141551814

You may verify this certificate online
at corp.delaware.gov/authver.shtml


Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 1969031

DATE: 12-17-14

PATENT
REEL: 037104 FRAME: 0736
REEL: 042308 FRAME: 0643

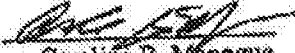
State of Delaware
Secretary of State
Division of Corporations
Delivered 04:24 PM 12/17/2014
FILED 04:24 PM 12/17/2014
SRV 141251814 - 2451184 FILE

CERTIFICATE OF FORMATION**OF****AMS RESEARCH, LLC**

1. The name of the limited liability company is AMS Research, LLC.
2. The address of its registered office in the State of Delaware is 1209 Orange Street, in the City of Wilmington, County of New Castle, 19801. The name of its registered agent at such address is The Corporation Trust Company.

[SIGNATURE PAGE FOLLOWS]**PATENT****REEL: 037 POTENTIAL ME: 0737****REEL: 042308 FRAME: 0644**

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation this 17th day of December, 2014.

By: 
Name: Caroline B. Manogue
Title: Executive Vice President, Chief
Legal Officer and Secretary

[Signature Page for Certificate of Formation]

1142354-NYCSR03A - MSW

RECORDED: 12/15/2015
RECORDED: 04/21/2017

PATENT
REEL: 037100 FRAME: 0738
REEL: 042308 FRAME: 0645