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12/449612

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OMB No. 0651-0027 (exp. 6/30/2008)

08-20-2009

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103571359

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

8-17-09

1. Name of conveying party(ies)

CHANG DIAZ, Franklin R.; SQUIRE, Jared P.;
GLOVER, Tim W.; CASSADY, Leonard D.;
CARTER, Mark D.; MCCASKILL, Greg E.

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

2. Name and address of receiving party(ies)

Name: AD ASTRA ROCKET COMPANY

Internal Address: _____

Street Address: 141 W. Bay Area Blvd,

City: Webster

State: TX

Country: US

Zip: 77598

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

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

Execution Date(s) 19 February 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)
PCT/US2008/002381

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Arthur M. Dula

Internal Address: _____

Street Address: 3106 Beauchamp St.

City: Houston

State: TX

Zip: 77009

Phone Number: 713 861 1960

Fax Number: 713 861 0637

Email Address: art@dula.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- 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 9637
Expiration Date 10/11

b. Deposit Account Number _____

Authorized User Name Arthur M. Dula

9. Signature:

/Arthur M. Dula/

17 August 2009

Signature

Date

Arthur M. Dula

Name of Person Signing

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

21

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: 023123 FRAME: 0826

ASSIGNMENT

DOCKET NO.: AA-PCT-IPS

SERIAL NO.: <SERIAL NO.>

FILED: 19 February 2008

WHEREAS, I, SQUIRE, Jared P. of 3323 Almond Creek Dr., Houston, TX 77059, US have invented IMPROVED PLASMA SOURCE, and described in a patent application filed for the 19th day of February, 2008, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, AD ASTRA ROCKET COMPANY of 141 W. Bay Area Blvd, Webster, TX 77598, US is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any

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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said applications or applications to said assignee or its successors and assigns.

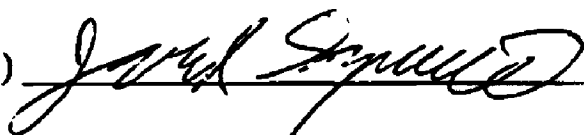
The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to myself (ourselves), which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To cooperate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorize said assignee to insert in this Assignment, the serial number and filing date of the above-identified application when known.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

(initial)



, 19 February, 2008

WITNESS

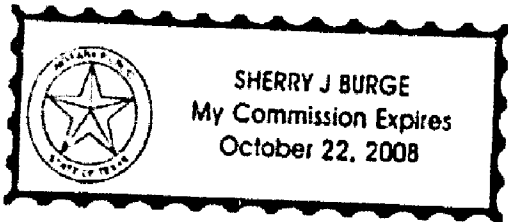
ASSIGNOR

Arthur M. Dula
Patents | Trademarks | Copyrights
Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

State of Texas)
Country of USA)

SS:

On this 19th day of February 2008 before me personally appeared SQUIRE, Jared P. to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.



A handwritten signature in cursive script, appearing to read "Sherry J. Burge", written over a horizontal line.

Notary Public

Arthur M. Dula
Patents | Trademarks | Copyrights
Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

12/449612

ASSIGNMENT

DOCKET NO.: AA-PCT-IPS

SERIAL NO.: <SERIAL NO.>

FILED: 18 February 2008

WHEREAS, I, CHANG DIAZ, Franklin R. of 1110 Pine Circle, Seabrook, Texas, 77586, US have invented IMPROVED PLASMA SOURCE, and described in a patent application filed for the 18th day of February, 2008, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, AD ASTRA ROCKET COMPANY of 141 W. Bay Area Blvd, Webster, TX 77598, US is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any

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divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said applications or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to myself (ourselves), which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To cooperate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorize said assignee to insert in this Assignment, the serial number and filing date of the above-identified application when known.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

(initial)

, 18 February, 2008

WITNESS

ASSIGNOR


Arthur M. Dula
Patents | Trademarks | Copyrights
Registered Patent Attorney
3106 Beauchamp St. Houston, TX 77009

State of Liberia

Country of Costa Rica

SS:

On this 18th day of February 2008 before me personally appeared CHANG DIAZ, Franklin R. to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.



 Notary Public(or Witness)
 Witness

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St. Houston, TX 77009

12/449612**ASSIGNMENT**

DOCKET NO.: AA-PCT-IPS

SERIAL NO.: <SERIAL NO.>

FILED: 19 February 2008

WHEREAS, I, GLOVER, Tim W. of 8007 Glen Dell Ct., Houston, TX 77061,US have invented IMPROVED PLASMA SOURCE, and described in a patent application filed for the 19th day of February, 2008, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, AD ASTRA ROCKET COMPANY of 141 W. Bay Area Blvd, Webster, TX 77598, US is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any

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divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said applications or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to myself (ourselves), which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To cooperate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorize said assignee to insert in this Assignment, the serial number and filing date of the above-identified application when known.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

_____ (initial)



_____, 19 February, 2008

WITNESS

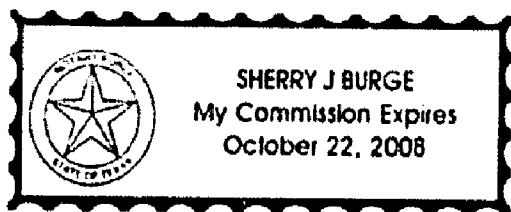
ASSIGNOR

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

State of Texas)
Country of USA)

SS:

On this 19th day of February 2008 before me personally appeared GLOVER, Tim W. to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.



A handwritten signature in cursive script, appearing to read "Sherry J Burge", written over a horizontal line.

Notary Public

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

12/449612

ASSIGNMENT

DOCKET NO.: AA-PCT-IPS

SERIAL NO.: <SERIAL NO.>

FILED: 19 February 2008

WHEREAS, I, CASSADY, Leonard D. of 11626 Mighty Redwood Dr., Houston, TX 77059 have invented IMPROVED PLASMA SOURCE, and described in a patent application filed for the 19th day of February, 2008, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, AD ASTRA ROCKET COMPANY of 141 W. Bay Area Blvd, Webster, TX 77598, US is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any

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divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said applications or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to myself (ourselves), which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To cooperate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorize said assignee to insert in this Assignment, the serial number and filing date of the above-identified application when known.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

_____ (initial)

Edward Lacey

_____, 19 February, 2008

WITNESS

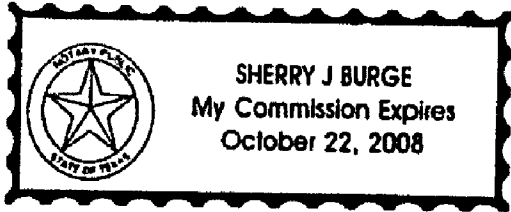
ASSIGNOR

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

State of Texas)
Country of USA)

SS:

On this 19th day of February 2008 before me personally appeared CASSADY, Leonard D. to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.



Sherry J Burge

Notary Public

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

ASSIGNMENT

DOCKET NO.: AA-PCT-IPS

SERIAL NO.: <SERIAL NO.>

FILED: 19 February 2008

WHEREAS, I, CARTER, Mark D. of 15718 El Dorado Oaks Drive Houston, TX 77059 have invented IMPROVED PLASMA SOURCE, and described in a patent application filed for the 19th day of February, 2008, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, AD ASTRA ROCKET COMPANY of 141 W. Bay Area Blvd, Webster, TX 77598, US is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any

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divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said applications or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to myself (ourselves), which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To cooperate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorize said assignee to insert in this Assignment, the serial number and filing date of the above-identified application when known.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

_____ (initial) Man H. Cao, 19 February, 2008

WITNESS

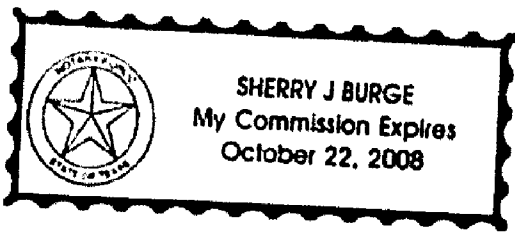
ASSIGNOR

Arthur M. Dula
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3106 Beauchamp St, Houston, TX 77009

State of Texas)
Country of USA)

SS:

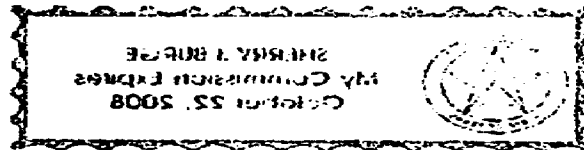
On this 19th day of February 2008 before me personally appeared CARTER, Mark D. to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.



A handwritten signature in cursive script, appearing to read "Sherry J Burge", written over a horizontal line.

Notary Public

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009



ASSIGNMENT

DOCKET NO.: AA-PCT-IPS

SERIAL NO.: <SERIAL NO.>

FILED: 19 February 2008

WHEREAS, I, MCCASKILL, Greg E. of 14903 Beriton Rd., Santa Fe, TX 77517 have invented IMPROVED PLASMA SOURCE, and described in a patent application filed for the 19th day of February, 2008, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, AD ASTRA ROCKET COMPANY of 141 W. Bay Area Blvd, Webster, TX 77598, US is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any

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IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

_____ (initial) *Arny M. Dula* , 19 February, 2008

WITNESS

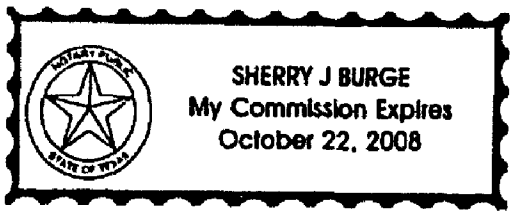
ASSIGNOR

Arthur M. Dula
Patents | Trademarks | Copyrights
Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

State of Texas)
Country of USA)

SS:

On this 19th day of February 2008 before me personally appeared MCCASKILL, Greg E. to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.



Sherry J Burge

Notary Public

Arthur M. Dula
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Registered Patent Attorney
3106 Beauchamp St, Houston, TX 77009

