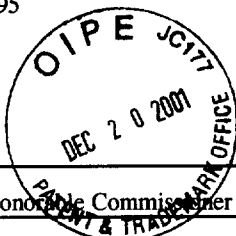


12-28-2001

FORM PTO-1595
(Rev. 6/93)

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PATENTS ONLY

12/20/01

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

ET

Attorney's Docket No. 033018-068

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Seetharama C. Deevi, Shalva Gedevarishvili and Sohini Paldey

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: 12/12, 12/10, 12/10/01, respectively

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

Name: CHRYSLIS TECHNOLOGIES
INCORPORATEDAddress: 7801 Whitepine RoadRichmond, Virginia 23237Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/986,710

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Peter K. Skiff

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: ONE7. Total fee (37 CFR § 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Peter K. Skiff
Name of Person Signing

Signature

December 20, 2001
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

12/27/2001 LMJELLER 00000272 024800 09986710

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40.00 CH

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231PATENT
REEL: 012393 FRAME: 0052

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by 1) Seetharama C. Deevi, 2) Shalva Gedevanishvili, and 3) Sohini Paldey (hereinafter referred to as "the Assignors"), residing at 1) 8519 Whirlaway Drive, Midlothian, Virginia 23112, 2) 1504-L Autumn Honey Court, Richmond, Virginia 23229 and 3) 5302-I Hunt Master Drive, Midlothian, Virginia 23112, respectively, witnesseth:

WHEREAS, the Assignors have made certain new and useful inventions in IRON ALUMINIDE FUEL INJECTOR COMPONENT set forth in an application for Letters Patent of the United States of America, [] having an oath or declaration executed on even date herewith; [x] bearing Serial No. 09/986,710, and filed on November 9, 2001; and

WHEREAS, CHRYSLIS TECHNOLOGIES INCORPORATED, a corporation duly organized under and pursuant to the laws of the State of Virginia and having an office and place of business at 7801 Whitepine Road, Richmond, Virginia 23237, is desirous of acquiring the entire right, title, and interest in and to the inventions for the United States and the application for Letters Patent of the United States, and in and to any United States Letters Patent or Patents, to be obtained therefor and thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

ASSIGNMENT OF UNITED STATES PATENT RIGHTS

We do hereby sell, assign and transfer unto CHRYSLIS TECHNOLOGIES INCORPORATED, its successors, assigns and legal representatives, all right, title, and interest in and to the inventions, for the United States, and in and to the United States patent application, including any continuations and divisions thereof, and any substitute applications therefor and any United States patents which may issue thereon and any reissues and extensions of the same; and we hereby authorize and request the Commissioner of Patents to grant and issue any and all patents on the inventions in the United States to CHRYSLIS TECHNOLOGIES INCORPORATED as the assignee thereof.

**ASSIGNMENT OF
FOREIGN PATENT RIGHTS**

Further in view of the consideration hereinabove referred to, we do hereby sell, assign, and transfer unto CHRYSLIS TECHNOLOGIES INCORPORATED, its successors, assigns and legal representatives, all right, title and interest in and to the inventions for all countries foreign to the United States, including the right to claim priority under the International Convention based on the United States patent application, and in and to any foreign patent application, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any foreign patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on the inventions in any foreign country to CHRYSLIS TECHNOLOGIES INCORPORATED as the assignee thereof.

We further agree to execute upon request of the assignee CHRYSLIS TECHNOLOGIES INCORPORATED such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in the United States, and to execute upon request of assignee CHRYSLIS TECHNOLOGIES INCORPORATED such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in countries foreign to the United States, and to otherwise give full effect to and perfect the rights of the assignee CHRYSLIS TECHNOLOGIES INCORPORATED in the United States and of assignee CHRYSLIS TECHNOLOGIES INCORPORATED in countries foreign to the United States.

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions and any and all applications for Letters Patent above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that the Assignors will, whenever counsel of the assignees, or counsel of their successors, legal representatives, and assigns, shall advise that any proceeding in connection with the inventions or any and all applications for Letters Patent, or any proceeding in connection with Letters Patent for the inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for the inventions, without charge to the assignees, their successors, legal representatives, and assigns, but at the cost and expense of the assignees, their successors, legal representatives, and assigns;

IN TESTIMONY THEREOF, we have hereunto signed our names on the dates hereinafter indicated:

Date 12/12/01 Name of Assignor Seetharama C. Deevi
Seetharama C. Deevi

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 12 day of December, 2001, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 4/30/03 Kelly D. Thompson
NOTARY PUBLIC

IN TESTIMONY THEREOF, we have hereunto signed our names on the dates hereinafter indicated:

Date 12.10.01 Name of Assignor S. Gedevaranishvili
Shalva Gedevaranishvili

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 10 day of December, 2001, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 4/30/03 Kelly D. Thompson
NOTARY PUBLIC

IN TESTIMONY THEREOF, we have hereunto signed our names on the dates hereinafter indicated:

Date 12/10/01 Name of Assignor Sohini Paldey
Sohini Paldey

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 10 day of December, 2001, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: 4/30/03 Kelly D. Thompson
NOTARY PUBLIC