


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings $\Rightarrow \Rightarrow \Rightarrow$	<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Mimmo Elia -- 02/17/2005 Jan-Roger Linna -- 02/18/2005 John Paul Mello -- 02/18/2005  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Chrysallis Technologies Incorporated</u>  Internal Address: _____  Street Address: <u>7801 Whitepine Road</u>  City: <u>Richmond</u> State: <u>VA</u> Zip: <u>23237</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <u>see above</u>	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) <u>10/975,269</u> _____ _____ _____ B. Patent No.(s) _____ _____ _____ _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Michael J. Mlotkowski, Esq.</u>  Internal Address: <u>Roberts, Mlotkowski &amp; Hobbes</u> <u>8270 Greensboro Drive, Suite 850</u>  Street Address: <u>8270 Greensboro Drive</u> <u>Suite 850</u>  City: <u>McLean</u> State: <u>VA</u> Zip: <u>22102</u>	6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: <u>502478</u>	
<b>DO NOT USE THIS SPACE</b>		
9. Signature.  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <u>Michael J. Mlotkowski, Esq.</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <u>02/23/2005</u>            Date         </div> </div>		
Total number of pages including cover sheet, attachments, and documents: <u>7</u>		

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

CH \$40.00 502478 10975269

Attorney Docket Nos. 12085

**ASSIGNMENT**  
**(JOINT)**

THIS ASSIGNMENT, by 1) Mimmo Elia, 2) Jan-Roger Linna, 3) John Paul Mello (hereinafter referred to as "the Assignors"), residing at 1) 44 Berkeley Street, Watertown MA 02472 ; 2) 48 Clearway Street, Apt. 6, Boston MA 02115; 3) 68 West Street, Newton MA 02458, respectively, witnesseth:

WHEREAS, the Assignors have made certain new and useful inventions in MULTIPLE CAPILLARY FUEL INJECTOR FOR AN INTERNAL COMBUSTION ENGINE 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. 60/515,924, filed on October 30, 2003; and

WHEREAS, CHRYSALIS 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 CHRYSALIS 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 CHRYSALIS 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 CHRYSALIS 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 CHRYSALIS TECHNOLOGIES INCORPORATED as the assignee thereof.

We further agree to execute upon request of the assignee CHRYSALIS 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 CHRYSALIS 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 CHRYSALIS TECHNOLOGIES INCORPORATED in the United States and of assignee CHRYSALIS 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:

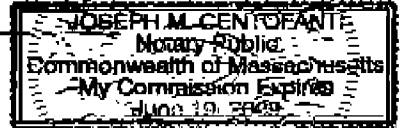
Date	Name of Assignor
<u>2/17/05</u>	 Mimmo Elia
<u>2/18/05</u>	 Jan-Roger Linna
<u>2/18/05</u>	 John Paul Mello

STATE OF MASSACHUSETTS )

) : ss

COUNTY/CITY OF MIDDLESEX )

On this 17<sup>th</sup> day of FEBRUARY, 2005, appeared before me in person Mimmo Elia, 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.

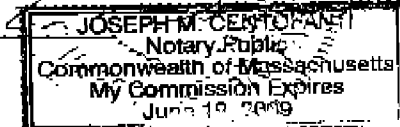
My Commission Expires: JUNE 19, 2009
  
 NOTARY PUBLIC


STATE OF MASSACHUSETTS )

) : ss

COUNTY/CITY OF MIDDLESEX )

On this 18<sup>th</sup> day of FEBRUARY, 2005, appeared before me in person Jan Roger Linna, 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.

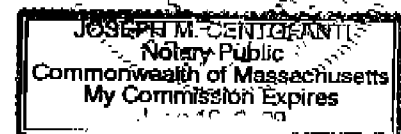
My Commission Expires: JUNE 19, 2009
  
 NOTARY PUBLIC


STATE OF MASSACHUSETTS )

) : ss

COUNTY/CITY OF MIDDLESEX )

On this 18<sup>th</sup> day of FEBRUARY, 2005, appeared before me in person John Paul Mello, 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: JUNE 19, 2009
  
 NOTARY PUBLIC


PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 40.00**Complete if Known**

Application Number	10/975,269
Filing Date	October 28, 2004
First Named Inventor	Elia, Mimmo
Examiner Name	To Be Assigned
Art Unit	3747
Attorney Docket No.	12085

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 502478 Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>
_____ - 20 or HP = _____	x _____	= _____		<b>Fee (\$)</b>
				<b>Fee Paid (\$)</b>

HP = highest number of total claims paid for, if greater than 20.

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 3 or HP = _____	x _____	= _____	

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____		

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Filing Assignment Document

**Fees Paid (\$)**

40.00

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 33,020	Telephone 703.584.3270
Name (Print/Type)	Michael J. Mlotkowski		Date February 23, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.