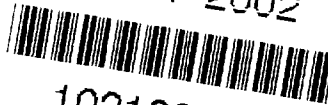


08-14-2002



REC-102189944  
**PATENTIS**

ET

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies)

**Submission Type**

- New *8/18/02*
- Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

- Assignment  Security Agreement
  - License  Change of Name
  - Merger  Other \_\_\_\_\_
- U.S. Government  
(For Use ONLY by U.S. Government Agencies)
- Departmental File  Secret File

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FINANCE SECTION

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) Bernard P. Breen

Execution Date  
Month Day Year  
07 09 02

Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) James E. Gabrielson

Execution Date  
Month Day Year  
07 09 02

Name (line 2) \_\_\_\_\_

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) ESA Corrosion Solutions, LLC

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

Name (line 2) \_\_\_\_\_

Address (line 1) 2 Park Drive

Address (line 2) \_\_\_\_\_

Address (line 3) Lawrence Pennsylvania 15055

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

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

**Correspondent Name and Address** Area Code and Telephone Number 412-562-1632

Name Lynn J. Alstadt

Address (line 1) Buchanan Ingersoll, P.C.

Address (line 2) 301 Grant Street, 20th Floor

Address (line 3) Pittsburgh, PA 15219

Address (line 4) \_\_\_\_\_

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. # 7

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<u>10/114,362</u>					

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  PCT  PCT  PCT

only if a U.S. Application Number has not been assigned.  PCT  PCT  PCT

**Number of Properties** Enter the total number of properties involved. # 1

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 02-4553

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Lynn J. Alstadt Name of Person Signing

Lynn J. Alstadt Signature

Aug 6 2002 Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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## ASSIGNMENT

WHEREAS, We, Bernard P. Breen, James E. Gabrielson and David Eden, residing at 650-B Trimont Lane, Pittsburgh, Pennsylvania 15211; 11585 Riverview Road, Hanover, Minnesota 55341 and 17723 Shadow Valley Drive, Spring, Texas 77379, respectively, have invented certain new and useful improvements in "Ammonia Detection by Corrosion Measurement and Spatial Feedback for Control of Ammonia Injection" for which we filed an application for United States Letters Patent on April 2, 2002, bearing Serial No. 10/114,362; and

WHEREAS, ESA CORROSION SOLUTIONS, LLC, having its business address at 2 Park Drive, Lawrence, PA 15055 (hereinafter the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to us by said assignee, receipt whereof we acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country and the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

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The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the successors, and/or assigns, as the case may be, of said assignee.

DATED:

July 9<sup>th</sup>, 2002

Bernard P. Breen (SEAL)  
Bernard P. Breen

09 July, 2002

James E. Gabrielson (SEAL)  
James E. Gabrielson

1st August, 2002

David Eden (SEAL)  
David Eden

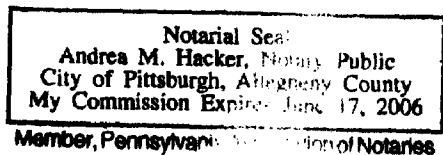
State of Pennsylvania :

County of Allegheny :

SS:

Before me, a Notary Public in and for the said County and State, personally appeared Bernard P. Breen who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 9th day of July, 2002.



Andrea M. Hacker  
Notary Public

(NOTARIAL SEAL)

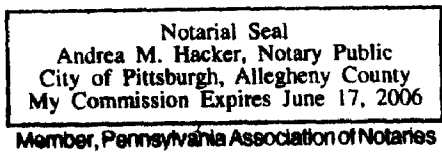
State of Pennsylvania :

County of Allegheny :

SS:

Before me, a Notary Public in and for the said County and State, personally appeared James E. Gabrielson who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 9th day of July, 2002.



Andrea M. Hacker  
Notary Public

(NOTARIAL SEAL)

{M:\CLIENTS\22870\0023 H0160465 2}

State of PENNSYLVANIA  
County of WASHINGTON

SS:

Before me, a Notary Public in and for the said County and State, personally appeared David Eden who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 1st day of AUGUST, 2002.

*Mary Jane Silcott*  
\_\_\_\_\_  
Notary Public

NOTARIAL SEAL  
Mary Jane Silcott, Notary Public  
Cecil TWP, County of Washington  
My Commission Expires Feb. 19, 2004

(NOTARIAL SEAL)