

FORM PTO-1595

1/31/92

05-04-2000

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

MPO  
4-17-00T  
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101346103

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

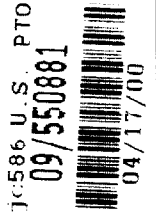
## 1. Name of conveying party(ies):

1. Frank Polakovic, 2. William Yang, 3. Charles E. Thorn,  
4. Michael V. Carano; and 5. Beth Ann LaFayetteAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_Execution Date: 1. April 13, 2000, 2. March 14,  
2000, 3. March 13, 2000, 4. April 13, 2000; and 5. April  
13, 2000

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

Electrochemicals Inc.  
5630 Pioneer Creek Drive  
Maple Plain, Minnesota 55359Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

09/550881

If this document is being filed together with a new application, the execution date of the application is: 1. April 13, 2000, 2. March 14,  
2000, 3. March 13, 2000, 4. April 13, 2000; and 5. April 13, 2000.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

McAndrews, Held & Malloy, Ltd.  
500 West Madison Street  
34<sup>th</sup> Floor  
Chicago, Illinois 60661

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed.☐ Authorized to be charged to deposit account.

8. Deposit account number: 13-0017.

(Attach duplicate copy of this page if paying by deposit account).

05/03/2000 DC0ATES 00000105 09550881

01 FC:581

40.00 DP

DO NOT USE THIS SPACE

## 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.*Signature and Registration Number: Priscilla F. Gallagher Reg. No. 32,223 Date: April 17, 2000Name of Person Signing: Priscilla F. Gallagher

Total number of pages including cover sheet, attachments and document: 10

A S S I G N M E N T  
(joint inventors)

We are the joint inventors whose names and residences are listed below:

1. **Frank Polakovic**, a resident of the City of Plymouth, in the County of Hennepin, State of Minnesota, and Country of United States of America.
2. **William Yang**, a resident of the City of Chungi-li, and Country of Taiwan R.O.C.
3. **Charles E. Thorn**, a resident of the City of Newport, in the County of Campbell, State of Kentucky, and Country of United States of America.
4. **Michael V. Carano**, a resident of the City of Plymouth, in the County of Hennepin, State of Minnesota, and Country of United States of America.
5. **Beth Ann LaFayette**, a resident of the City of Minneapolis, in the County of Hennepin, State of Minnesota, and Country of United States of America.

We have jointly made an invention comprising certain new, useful, and nonobvious improvements in

PERMANGANATE DESMEAR PROCESS  
FOR PRINTED WIRING BOARDS

Said invention is described or intended to be described and set forth in the patent application presently identified as Docket No. 12544US01 which we executed on the same date(s) as we signed this assignment for the purpose of seeking Letters Patent of the United States for our invention.

Electrochemicals Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware (hereinafter: "said assignee"), having a place of business at 5630 Pioneer Creek Drive, Maple Plain, Minnesota 55359 (hereinafter: "said assignee") desires to acquire the entire right, title, and interest in and to said invention, said application, and any Letters Patent which may be granted for said invention, said application, and any and all divisions, continuations, continuations-in-part, reissues, reexamination certificates, and extensions thereof.

We warrant and represent that we conceived said invention ourselves, that no one other than us is a joint inventor of said invention, and that neither we nor any of us have assigned or agreed to assign any rights in said invention or said application to anyone other than said assignee or a predecessor in interest to said assignee.

NOW, THEREFORE, in consideration of one dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to said assignee, its successors and assigns, the entire worldwide right, title, and interest in and to said invention, said application, and any Letters Patent which may be granted for said invention, said application, and any and all divisions, continuations, continuations-in-part, reissues, reexamination certificates, substitutes, and extensions of said application (each of which is included herein as a part of "said application"), including but not limited to all our United States and other national rights to said invention and said application and all our rights under the Paris Convention for the Protection of Industrial Property and all other applicable treaties or laws in respect to said invention and said application.

We hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for said invention or upon said application unto said assignee, its successors and assigns, in accordance with this assignment.

We hereby authorize said assignee to apply for patents on said invention in foreign countries, claiming the filing date of said application under the provisions of the Paris Convention for the Protection of Industrial Property and all other applicable treaties and laws, and we further agree to execute any and all documents that may be required or desired by said assignee in order that said assignee may apply for Letters Patent on said invention in foreign countries in our or its name.

We hereby agree to promptly communicate to said assignee or its representatives any facts known to us respecting said invention or said application; to testify in any legal proceeding relating thereto; to sign all lawful papers, including but not limited to all divisional, continuing, continuing-in-part, reissue, substitute, and extension applications, all rightful oaths or declarations, and documents confirming or substituting for this assignment.

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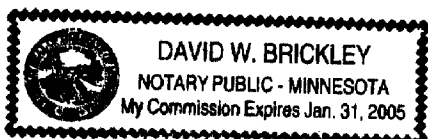
Signed at ELECTROCHEMICALS in the County of HENNEPIN and State of MINNESOTA, this 13 day of APRIL, 2000.

Frank Polakovic  
Frank Polakovic

STATE OF MN )  
 ) SS.  
COUNTY OF HENNEPIN

I, DAVID W. BRICKLEY, a Notary Public in and for the County and State aforesaid, do hereby certify that Frank Polakovic personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13<sup>TH</sup> day of APRIL, 2000.



David W. Brickley  
Notary Public

(SEAL)

My commission expires JAN. 31, 2005

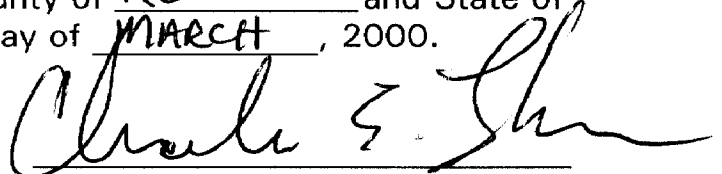
Signed at the city of Chungli - Li, and nation of Taiwan R.O.C.  
~~14~~ this 14th day of MARCH, 2000, in the presence of the witness identified  
below.

Signature of assignor: William Yang  
(print name): William Yang

Signature of witness: Mark E. Edyta

(print name): MARK E. EDYTA  
(print address): 9535 PINEVIEW LANE  
MAPLE GROVE MN

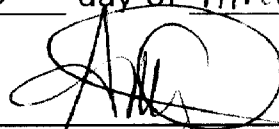
Signed at Peoples Bank, in the County of Kenton and State of Kentucky, this 13 day of MARCH, 2000.

  
Charles E. Thorn

STATE OF Ky )  
 ) SS.  
COUNTY OF Kenton )

I, Amy L. Quinn, a Notary Public in and for the County and State aforesaid, do hereby certify that Charles E. Thorn personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13<sup>th</sup> day of MARCH, 2000.

  
\_\_\_\_\_  
Notary Public

(SEAL)

My commission expires 6/16/2001  
MY COMMISSION EXPIRES JUNE 15, 2001

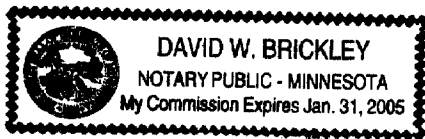
Signed at Electrochemicals, in the County of Hennepin and State of Minnesota, this 13<sup>th</sup> day of April, 2000.

Michael V. Carano  
Michael V. Carano

STATE OF MN )  
 ) SS.  
COUNTY OF HENNEPIN

I, DAVID W. BRICKLEY a Notary Public in and for the County and State aforesaid, do hereby certify that Michael V. Carano personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13<sup>TH</sup> day of APRIL, 2000.



David W. Brickley  
Notary Public

(SEAL)

My commission expires JAN. 31, 2005

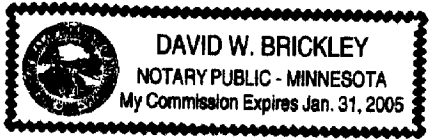
Signed at Electrochemicals, in the County of Hennepin and State of Minnesota, this 13 day of April, 2000.

Beth Ann LaFayette  
Beth Ann LaFayette

STATE OF MN )  
 ) SS.  
COUNTY OF HENNEPIN

I, DAVID W. BRICKLEY, a Notary Public in and for the County and State aforesaid, do hereby certify that Beth Ann LaFayette personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13<sup>TH</sup> day of APRIL, 2000.



David W. Brickley  
Notary Public

(SEAL)

My commission expires JAN. 31, 2005