

FORM PTO-1595

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03-12-2002



102010944

U.S. DEPARTMENT OF COMMERCE

ET PATENT AND TRADEMARK OFFICE

-Y

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

1. Name of conveying party(ies):  
Charles E. Thorn, Frank Polakovic and Charles A. Mosolf  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Electrochemicals Inc.  
5350 Pioneer Creek Drive  
Maple Plain, Minnesota 55359

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_  
Execution Date: December 31, 2001, January 7, and January 2, 2002

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

4. Application number(s) or patent number(s): 09/954,486

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

A. Patent Application No.(s)  
09/954,486

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).

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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: George Wheeler Reg. No. 28,766 Date: February 4, 2002

Name of Person Signing: George Wheeler

Total number of pages including cover sheet, attachments and document: 8

ASSIGNMENT

(joint inventors)

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

1. **Charles E. Thorn**, a resident of the City of ~~Newport~~ <sup>KENTON HILLS</sup>, in the County of ~~Campbell~~ <sup>KENTON</sup>, State of Kentucky, and Country of United States of America. C.E.T. C.E.T.
2. **Frank Polakovic**, a resident of the City of ~~Hanahan~~ <sup>OCEAN</sup>, State of New Jersey, and Country of United States of America. F.P. F.P.
3. **Charles A. Mosolf**, a resident of the City of Juno Beach, in the County of Palm Beach, State of Florida, and Country of United States of America.

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

**PRINTED WIRING BOARDS AND METHODS FOR MAKING THEM**

Said invention is described or intended to be described and set forth in the patent application presently identified as Docket No. 10059US09 which was filed on September 17, 2001 as United States Application Number 09/954,486.

**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 5350 Pioneer Creek Drive, Maple Plain, Minnesota 55359, 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.

Signed at Peoples Bank, in the County of Kenton and State of Kentucky, this 31st day of December, 2001

Charles E. Thorn  
Charles E. Thorn

STATE OF KY )  
COUNTY OF Kenton ) SS.

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 31st day of December, 2001.

Amy L. Quinn  
Notary Public

(SEAL)

My commission expires 6/16/2005

Signed at Commerce Bank, in the County of Ocean and State of New Jersey, this 7th day of January, 2002

Frank Polakovic  
Frank Polakovic

STATE OF New Jersey )  
COUNTY OF Ocean ) SS.

I, Christine H. Muzzillo 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 7th day of January, 2002.

Christine H. Muzzillo  
Notary Public

(SEAL)

My commission expires 6/5/06

Signed at \_\_\_\_\_, in the County of \_\_\_\_\_ and State of \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 200\_.

Charles A. Mosolf  
Charles A. Mosolf

STATE OF FLORIDA )  
 ) SS.  
COUNTY OF Palm Beach )

I, Scott Waddicor, a Notary Public in and for the County and State aforesaid, do hereby certify that Charles A. Mosolf 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 2nd day of January, 2002.

Scott J. Waddicor  
Notary Public

(SEAL)

My commission expires

