

12-23-2002



Case No.: 57136US002

HEET

102319353

To: The Honorable Commissioner of Patents and Trademarks
Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)/(Execution Date)

Boyd, Steven D.	December 2, 2002
Kesari, Susrut	December 9, 2002
Lamanna, William M.	December 2, 2002
Parent, Michael J.	December 2, 2002
Zazzera, Lawrence A.	December 2, 2002
Zhang, Haiyan	December 9, 2002

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

12/16/02

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

3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427

Additional names of receiving party(ies) attached?

☐ Yes ☒ 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:	

☐ If this is a request for correction of a previously recorded document, a copy of the previously recorded assignment and previous Notice of Recordation is enclosed.

4. Application number or patent number:

☒ This document is being filed with a new patent application on: December 16, 2002
☐ This document is to be recorded against the following patent application or patent:
☐ Enter Patent Cooperation Treaty (PCT) application number only if a USSN has not been assigned:

10320263

Additional Numbers Attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Lisa M. Fagan
Office of Intellectual Property Counsel
3M Innovative Properties Company
Phone Number: 651-737-5209



32692

PATENT TRADEMARK OFFICE

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: 13-3723**

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

Printed Name of

Attorney/Agent: Lisa M. Fagan

Registration No.: 40,601

Signature

Lisa Fagan

December 16, 2002

Date

Pages: Total number of pages including COVER SHEET, attachments and documents

8

Mail documents to be recorded with required cover sheet information to:
Commissioner for Patents, Box Assignments, Washington, DC 20231

CPI 100 Assign Record Cover - New Appln (3/06/02)

12/23/2002 DBYRME 00000023 133723 10320263
01 FC:8021 40.00 CH

PATENT
REEL: 013590 FRAME: 0007

ASSIGNMENT

Whereas we, the below named inventors, with residences and citizenships as indicated below; have made an invention in

**ELECTROLYTIC SOLUTIONS FOR ELECTROCHEMICAL DEPOSITION OF COPPER
INTERCONNECTS AND METHODS THEREFOR**

and have contemporaneously executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by 3M Company and any of its existing or future subsidiaries of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made,

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.



Steven D. Boyd

Residence: Woodbury, Minnesota U.S.A.

Citizenship: United States of America

STATE OF MINNESOTA)

) ss.

COUNTY OF RAMSEY)

On this 2nd day of December, 2002, before me personally appeared the above-named Steven D. Boyd, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)



Notary Public



Susrut Kesari
 Residence: Campbell, California U.S.A.
 Citizenship: India

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this _____ day of _____, 2002, before me personally appeared the above-named Susrut Kesari, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Notary Public

William M. Lamanna

William M. Lamanna
 Residence: Stillwater, Minnesota U.S.A.
 Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 2nd day of December, 2002, before me personally appeared the above-named William M. Lamanna, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)



Kathleen M. Sandvig

Notary Public

Michael J. Parent

Michael J. Parent
 Residence: Oakdale, Minnesota U.S.A.
 Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 2nd day of December, 2002, before me personally appeared the above-named Michael J. Parent, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)



Kathleen M. Sandvig

Notary Public

Lawrence A. Zazzera
 Lawrence A. Zazzera
 Residence: Edina, Minnesota U.S.A.
 Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 2nd day of December, 2002, before me personally appeared the above-named Lawrence A. Zazzera, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

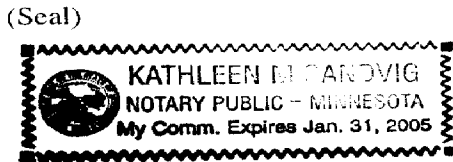


Kathleen M. Sandvig
 Notary Public

Haiyan Zhang
 Haiyan Zhang
 Residence: Woodbury, Minnesota U.S.A.
 Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
 COUNTY OF RAMSEY)

On this 9th day of December, 2002, before me personally appeared the above-named Haiyan Zhang, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.



Kathleen M. Sandvig
 Notary Public

ASSIGNMENT

Whereas we, the below named inventors, with residences and citizenships as indicated below; have made an invention in

**ELECTROLYTIC SOLUTIONS FOR ELECTROCHEMICAL DEPOSITION OF COPPER
INTERCONNECTS AND METHODS THEREFOR**

and have contemporaneously executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by 3M Company and any of its existing or future subsidiaries of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made,

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Steven D. Boyd
Residence: Woodbury, Minnesota U.S.A.
Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____, 2002, before me personally appeared the above-named Steven D. Boyd, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Notary Public

K. Susrut Kesari

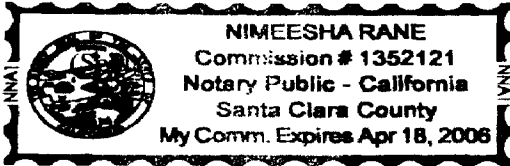
Susrut Kesari

Residence: Santa Clara, California U.S.A.

Citizenship: India

STATE OF CALIFORNIA)
) ss.
COUNTY OF Santa Clara

On this 9th day of December, 2002, before me personally appeared the above-named Susrut Kesari, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.



Nimeesha Rane

Notary Public

William M. Lamanna

Residence: Stillwater, Minnesota U.S.A.

Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____, 2002, before me personally appeared the above-named William M. Lamanna, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Notary Public

Michael J. Parent

Residence: Oakdale, Minnesota U.S.A.

Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____, 2002, before me personally appeared the above-named Michael J. Parent, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Notary Public

Lawrence A. Zazzera
Residence: Edina, Minnesota U.S.A.
Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____, 2002, before me personally appeared the above-named Lawrence A. Zazzera, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Notary Public

Haiyan Zhang
Residence: Woodbury, Minnesota U.S.A.
Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____, 2002, before me personally appeared the above-named Haiyan Zhang, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Notary Public