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FORM PTO-1595
(Rev. 6-93)



SHEET 7: 50 U.S. DEPARTMENT OF COMMERCE
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OMB No. 0651-0011 (exp. 4/94)

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FINANCE

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

3-30-99

1. Name of conveying party(ies):

Phoenix Research and Development Corporation

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Johnson Manufacturing, LLC

Internal Address: _____

Street Address: 1640 Roswell Street

Suite J

City: Smyrna State: GA ZIP: 30080

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: March 9, 1999

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)

08/989,709 09/094,824
08/989,803 09/097,776

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Dorian B. Kennedy

Internal Address: Kennedy, Davis & Kennedy
P.C.

Street Address: 400 Northpark Town Center
1000 Abernathy Road, Suite 1250

City: Atlanta State: GA ZIP: 30328

6. Total number of applications and patents involved: 4

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

11-0553 (deficiencies only)

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

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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.

Dorian B. Kennedy
Name of Person Signing

Signature

03/30/99
Date

Total number of pages including cover sheet, attachments, and document: 4

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

PATENT
REEL: 9863 FRAME: 0083

ASSIGNMENT OF PATENT APPLICATIONS

This Assignment is made effective this 9th day of MARCH, 1999 between PHOENIX RESEARCH AND DEVELOPMENT CORPORATION (hereinafter "PHOENIX") a company organized and existing under the laws of the State of Wisconsin, having its principal place of business at 2228 Evergreen Road, Middleton, Wisconsin 53562, and JOHNSON MANUFACTURING, LLC (hereinafter "JOHNSON MANUFACTURING") a company organized and existing under the laws of the State of Georgia, having its principal place of business at 1640 Roswell Street, Suite J, Smyrna, Georgia 30080.

W I T N E S S E T H :

WHEREAS, PHOENIX has certain rights in and owns the United States patent applications identified in Addendum A attached hereto.

WHEREAS, pursuant to a Joint Development Agreement entered into by PHOENIX and JOHNSON MANUFACTURING, having an effective date of January 1, 1998, PHOENIX and JOHNSON MANUFACTURING have agreed to the assignment hereinafter set forth.

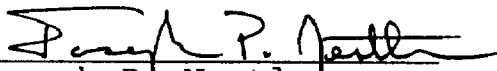
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged by PHOENIX:

1. PHOENIX hereby agrees to assign and assigns to JOHNSON MANUFACTURING, its successors and assigns, absolutely and forever all its right, title and interest to any and all patent applications and to any and all rights relating to said patent applications owned by PHOENIX and identified in Addendum A attached hereto.

2. PHOENIX further covenants and agrees that it will, upon demand of JOHNSON MANUFACTURING, its successors or assigns, and without further consideration, execute any and all papers necessary or deemed to be necessary by JOHNSON MANUFACTURING or its successors or assigns to be a complete fulfillment of the intent and purpose of this Assignment.

IN WITNESS WHEREOF, PHOENIX has caused this instrument to be executed by its duly authorized officer.

Phoenix Research and
Development Corporation

By 
Joseph P. Nestler
Chief Executive Officer

Date: 3/9/1999

ADDENDUM A

UNITED STATES PATENT APPLICATIONS

<u>APPLICATION SERIAL NO.</u>	<u>FILING DATE</u>	<u>INVENTOR(S)</u>	<u>TITLE</u>
08/989,803	12/12/97	Joseph P. Nestler Daniel A. Schneider Shirley A. Craanen Timothy J. Stachoviak	SECONDARY BATTERY SEPARATOR AND METHOD OF MANUFACTURE
08/989,709	12/12/97	Daniel A. Schneider Joseph P. Nestler Shirley A. Craanen Timothy J. Stachoviak Lonnie G. Johnson	COMPOSITE SEPARATOR AND ELECTRODE
09/097,776	06/15/98	Timothy J. Stachoviak Joseph P. Nestler Daniel A. Schneider Shirley A. Craanen Amy K. Lawrence	CURRENT COLLECTOR MANUFACTURE BY ARC SPRAY DEPOSITION
09/094,824	06/15/98	Lonnie Johnson John M. Baxley Timothy J. Stachoviak	APPARATUS AND METHOD FOR EXTRACTING PLASTICIZER

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RECORDATION FORM COVER SHEET 50 U.S. DEPARTMENT OF COMMERCE
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