

03-19-1999

HEET

To the Honorable Commissioner of P
copy thereof.

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, attached original document.

1. Name of conveying party:
P.A. Peterson; C. J. Runkle; A. Sengupta; and
F. E. Wiesler2. Name and address of receiving
party:CELGARD LLC
13800 South Lakes Drive
Charlotte, NC 28273Additional name(s) of conveying party(ies)
attached? () Yes (X) No3. Nature of conveyance:
(X) Assignment () Merger
() Security Agreement () Change of Name
() Other
Execution Date: March 5, 19994. Application number:
If this document is being filed together with a new application, the execution
date of the application is:

09/265064

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom
correspondence concerning document
should be mailed:CELGARD LLC
LAW DEPARTMENT
13800 South Lakes Drive
Charlotte, NC 28273

Attention: Robert H. Hammer III

6. Total number of applications and
patents involved: 17. Total fee (37 CFR 3.41)....\$40.00
() Enclosed
(X) Authorized to be charged to
deposit account8. Deposit account number: 08-2447 ✓
(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.Robert H. Hammer III
Name of Person SigningSignature3/8/99
Date

Total number of pages including cover sheet, attachments, and document: 3

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PATENT

REEL: 9816 FRAME: 0736

MRD 3/8/99

jc525 U.S. PTO

09/265064



03/08/99

ASSIGNMENT

Docket No. 4000-13

Serial No.

Filed:

WHEREAS, UNDERSIGNED

P. A. Peterson, C. J. Runkle, A. Sengupta, and F.E. Wiesler

citizens of the United States of America, residing at

9110 Blakeney Heath Road, Charlotte, NC 28277

10425 William Penn Lane, Charlotte, NC 28277

2616 Heidleburg Lane, Charlotte, NC 28210

5006 Old Fox Trail, Charlotte, NC 28269

have invented certain new and useful improvements (INVENTION) disclosed, shown, and described in an APPLICATION for Letters Patent of the United States entitled

"SHELL-LESS HOLLOW FIBER MEMBRANE FLUID CONTACTOR"

Docket No. 4000-13, said APPLICATION being executed concurrently herewith, (or...said application having been filed on March 8, 1999) and

WHEREAS, by virtue of a pre-existing obligation of assignment, the UNDERSIGNED have been under a continuous obligation since prior to the invention of the subject matter of the said APPLICATION to assign the said APPLICATION to CELGARD LLC, and

WHEREAS, CELGARD LLC, a limited liability company under the laws of the State of Delaware, U.S.A., having an office at 13800 South Lakes Drive, Charlotte, North Carolina 28273, USA (ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the INVENTION, in this and any foreign country, and in and to any Letters Patent of the United States or any foreign country which may be granted embracing the INVENTION.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, UNDERSIGNED by these presents, sells, assigns and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest for the United States and all foreign countries, in and to the INVENTION, and in and to the said APPLICATION, and in and to any applications for Letters Patent which have been or may be filed in any foreign country on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States or any foreign country, which may be granted covering the INVENTION, including any continuations, substitutions, divisions, reissues, or renewals thereof, said Letters Patent whether of this country or any foreign country to be held and enjoyed by ASSIGNEE for its interest, for its own use and behalf, and for its legal representatives, successors, and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by UNDERSIGNED had this assignment and sale not been made.

THE UNDERSIGNED covenant not to have executed and will not execute any agreement in conflict with this assignment.

IN WITNESS WHEREOF this assignment has been executed by UNDERSIGNED on the date opposite his name.

Date March 5, 1999

Paul A. Peterson (LS)
Paul A. Peterson

Date 3/5/99 Charles James Runkle (LS)
Charles James Runkle
Date 3/5/99 Amitava Sengupta (LS)
Amitava Sengupta
Date 3/5/99 Frederick E. Wiesler (LS)
Frederick E. Wiesler

State of North Carolina)

County of Mecklenburg)

On 3/5, 1999, before me a Notary Public in and for the county and state aforesaid, appeared P.A. Peterson, C. J. Runkle, A. Sengupta, and F. E. Wiesler to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act, and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Christine W. Sawyer
Notary Public

My Commission Expires: _____



My Commission Expires 10/26/2002