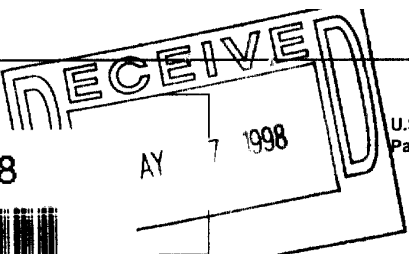


FORM PTO-1619A
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David C. Purdue *David C. Purdue* 5/4/98

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ASSIGNMENT OF INVENTION AND PATENT APPLICATION

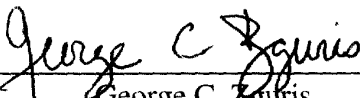
WHEREAS, I, George C. Zguris of Canterbury, New Hampshire, have made an invention entitled GLASS FIBER SEPARATORS AND BATTERIES INCLUDING SUCH SEPARATORS, Attorney Docket 156-0072, for which I filed, on September 2, 1997, United States Patent Application Serial No. 08/923,876;

AND WHEREAS, Hollingsworth and Vose Company, a corporation of Massachusetts, having a place of business at 112 Washington Street, East Walpole, Massachusetts, desires to acquire the entire right, title and interest in and to said invention and any Letters Patent to issue therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations to me, in hand paid, the receipt whereof is hereby acknowledged, I, George C. Zguris, hereby sell, assign and transfer unto said Hollingsworth & Vose Company, the entire right, title and interest in and to said application and invention in the United States and all countries foreign thereto, including the right of priority under the International Convention of 1883 and later modifications thereof, and to any Letters Patent to issue therefor.

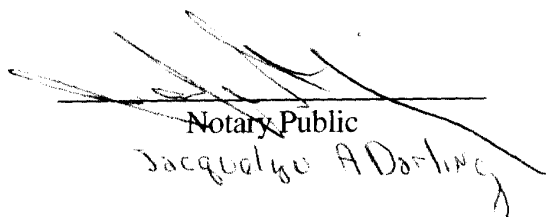
I agree to execute any and all documents required by said Hollingsworth & Vose

Company, its successors or assigns, for the prosecution of said application, or of any division, reissue, continuation or continuation-in-part thereof, or for securing foreign patents covering said invention, and also any documents required by it, its successors or assigns, more fully to vest in it or them the title to said invention, or to any application or patent that may be filed therefor or secured thereon.


George C. Zguris

State of Massachusetts)
(SS
County of Middlesex)

On this 13 day of April, 1998, before me personally appeared George C. Zguris, to me known and known to me to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.


Notary Public
Jacqueline A. Darling
My commission expires Feb 19, 1999