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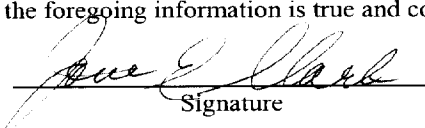
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To the Honorable Commissioner of P

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ached original documents or copy thereof

<b>1. Submission Type:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation) Document ID# _____ <input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____ <input type="checkbox"/> Corrective Document Reel # _____ Frame # _____ Data Element in Question : _____		<b>Type:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> License <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  US. GOVERNMENT (For Use ONLY by U.S. Government Agencies) <input type="checkbox"/> Departmental File <input type="checkbox"/> Secret File Total No. of pages of conveyance document including attachments _____	
<b>4. Name of conveying party(ies):</b>  <sup>1</sup> Miller, Ralph Newton <sup>2</sup> Rao, V. N. Mallikarjuna <sup>3</sup> Swearingen, Steven H.  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Execution Date: <sup>1</sup> 03/05/1999 <sup>2</sup> 02/18/1999 <sup>3</sup> 03/01/1999		<b>5. Name and address of receiving party(ies):</b>  E. I. DU PONT DE NEMOURS AND COMPANY LEGAL PATENTS 1007 MARKET STREET WILMINGTON, DELAWARE 19898  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is:  A. Patent Application No.(s): <b>09/283449</b> Docket No.: <b>CL-1158</b>  B. Patent No.(s): _____  Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>6. Correspondent Name &amp; Address:</b>  DAVID E. HEISER E. I. DU PONT DE NEMOURS AND COMPANY LEGAL-PATENTS 1007 MARKET STREET WILMINGTON, DELAWARE 19898		<b>7. Total number of applications and patents involved:</b> <u>1</u>  <b>8. Total fee (37 CFR 3.41).....</b> <u>\$40.00</u>  <input type="checkbox"/> Enclosed (Check No.: _____) <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>9. Deposit account number:</b> <u>04-1928</u> (Attach duplicate copy of this page if paying by deposit account)	
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<b>10. Statement and signature.</b> 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.  JANE E. CLARK SENIOR LEGAL CLERK   Signature  10/29/1999 Date			

11/03/1999 MTHA11 00000325 041928 09283449  
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Total number of pages comprising cover sheet: One (1)

PATENT  
REEL: 010352 FRAME: 0173

# ASSIGNMENT

We, the undersigned

**Ralph Newton Miller, V. N. Mallikarjuna Rao and Steven H. Swearingen**

Hereby declare that

We are the true and first inventors of an invention relating to

## **PROCESSES FOR THE PURIFICATION AND USE OF 2-CHLORO-1,1,1,2,3,3,3-HEPTAFLUOROPROPANE AND AZEOTROPES THEREOF WITH HF**

which is disclosed in an application for Letters Patent in the United States of America, executed the day of \_\_\_\_\_, 1999 (Case No. **CL-1158**); and, for valuable

consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby sell, assign, and transfer unto **E. I. du Pont de Nemours and Company**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, the entire right, title, and interest in and to the aforesaid application for Letters Patent, including any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, and the entire right, title and interest in and to any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, and in and to any and all applications for Letters Patent for any such inventions in any country whatsoever, and in and to any and all patents for any such inventions in any country whatsoever, with the sole right to file such applications in its name or ours, including the sole right to file such applications under the aforesaid International Convention or other treaty or understanding, together with the sole right to have said patents granted in its name or ours and to enforce said patents and to sue for and recover profits and damages for any and all infringements thereof, and hereby agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said inventions, to testify in any legal proceeding, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries. We further authorize our attorney/patent agent to insert below\* the application number and filing date of the aforesaid United States application now identified as Case No. **CL-1158** after the same shall have been made known to him/her by the United States Patent Office.

Ralph Newton Miller (L.S.)

**Ralph Newton Miller**

DATE: 3/5/99

Steven H. Swearingen (L.S.)

**Steven H. Swearingen**

DATE: Feb March 1999

V. N. Mallikarjuna Rao (L.S.)

**V. N. Mallikarjuna Rao**

DATE: Feb. 18 '99

\*The application referred to above as Case No. **CL-1158** was filed in the United States Patent Office on April 1, 1999, and was given Application No. 09/283,449.

This insertion made by me this 11<sup>th</sup> day of October, 1999.

Del E. K.  
ATTORNEY/PATENT AGENT FOR APPLICANTS