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

<p>1. Name of conveying party(ies): HALLINAN, Noel BRTKO, Wayne</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>3. Name and address of receiving party(ies):</p> <p>Name: <u>Millennium Petrochemicals Inc.</u> Internal Address: _____ Street Address: <u>11500 Northlake Drive</u> City: <u>Cincinnati</u> State: <u>Ohio</u> Zip Code: <u>45249</u> Country: <u>U.S.A.</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>2. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>September 6, 2001</u></p>	

4. Application number(s) or patent number(s): **Express Mail No. EL718726923US**  
If this document is being filed together with a new application, the execution date of the application is: September 6, 2001  
A. Patent Application No(s). 09/950903 B. Patent No(s). \_\_\_\_\_  
Additional numbers attached? ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Kristi L. Davidson, Esq.</u> Internal Address: <u>Wood, Herron &amp; Evans, L.L.P.</u> <u>2700 Carew Tower</u> Street Address: <u>441 Vine Street</u> City: <u>Cincinnati</u> State: <u>Ohio</u> Zip: <u>45202</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 33.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account if deficiencies occur</p> <p>8. Deposit Account number: <u>23-3000</u> (Attach duplicate copy of this page if paying by deposit account)</p>
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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.*

Kristi L. Davidson, Reg. No. 44,643  
Name of Person Signing

Kristi L. Davidson  
Signature

September 10, 2001  
Date

Total number of pages including cover sheet, attachments, and document(s): 5

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

**PATENT**  
**REEL: 012173 FRAME: 0562**

## ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, Noel Hallinan, Wayne Brtko, hereby assign to Millennium Petrochemicals Inc., a Corporation of Virginia and having a place of business at 11500 Northlake Drive, Cincinnati, Ohio 45249, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent filed herewith, entitled PROCESS CONTROL FOR VINYL ACETATE MANUFACTURE this assignment including said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cincinnati, Ohio,  
this 6th day of September, 2001

Noel Hall  
Noel Hallinan

STATE OF Ohio :  
COUNTY OF HAMILTON :

Before me this 6th day of SEPT, 2001, personally appeared  
Noel Hallinan, a citizen of Republic of Ireland residing in Cincinnati, Ohio and particularly at  
9074 Symmesview Court, Loveland, Ohio 45140, known to me to be the person whose name is  
subscribed to the foregoing Assignment and acknowledged that s/he executed the same as his free  
act and deed for the purposes therein contained.

Margaret E. Bailey  
Notary Public

My Commission Expires: Aug. 31, 2005

[Notary's Seal Here]

MARGARET E. BAILEY  
Notary Public, State of Ohio  
My Commission Expires August 31, 2005  
Recorded in Warren County

IN WITNESS WHEREOF, I hereto set my hand and seal at CINCINNATI, Ohio,  
this 6<sup>TH</sup> day of SEPTEMBER, 2001

Wayne Brtko  
Wayne Brtko

STATE OF Ohio :  
COUNTY OF HAMILTON :  
SS.

Before me this 6<sup>th</sup> day of SEPT., 2001, personally appeared  
Wayne Brtko, a citizen of U.S. residing in West Chester, Ohio and particularly at 9324 Bodford Dr.,  
West Chester, OH 45069, known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that s/he executed the same as his free act and deed for the purposes  
therein contained.

Margaret E. Bailey  
Notary Public

My Commission Expires: Aug. 31, 2005

[Notary's Seal Here]

MARGARET E. BAILEY  
Notary Public, State of Ohio  
My Commission Expires August 31, 2005  
Recorded in Warren County