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

1. Name of conveying party(ies): Kenneth W. Burris M. Brad Beardsley Leonid (NMI) Chuzhoy Additional Names attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>Caterpillar Inc.</u> Internal Address: <u>Intellectual Property Department</u> Street Address: <u>100 N.E. Adams Street</u> City: <u>Peoria</u> State: <u>Illinois</u> Zip: <u>61629-6490</u> Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other Execution Date(s): <u>02/17/98</u>						
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) <u>09/057,050</u> , filed: <u>April 8, 1998</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Title of Invention: <u>A PROCESS FOR APPLYING A FUNCTIONAL GRADIENT MATERIAL COATING TO A COMPONENT FOR IMPROVED PERFORMANCE</u> Attorney Docket No.: <u>94-472.4</u>						
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Kevin M. Kercher</u> <u>CATERPILLAR INC.</u> Internal Address: <u>Intellectual Property Department</u> Street Address: <u>100 N. E. Adams Street</u> City: <u>Peoria</u> State: <u>IL</u> Zip: <u>61629-6490</u>		6. Total number of applications and patents involved [1] 7. Total fee (37 CFR §3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>03-1129</u> (If charged duplicate copy attached)				
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. <table border="0" style="width: 100%;"><tr><td style="width: 30%; text-align: center;"><u>Kevin M. Kercher</u> Name of Person Signing</td><td style="width: 30%; text-align: center;"> Signature</td><td style="width: 40%; text-align: center;"><u>06/9/98</u> Date</td></tr></table> Total number of pages comprising cover sheet, attachments, and document: <u>[3]</u>				<u>Kevin M. Kercher</u> Name of Person Signing	 Signature	<u>06/9/98</u> Date
<u>Kevin M. Kercher</u> Name of Person Signing	 Signature	<u>06/9/98</u> Date				
Mail document to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231						

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PATENT
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ASSIGNMENT

WHEREAS, KENNETH W. BURRIS; M. BRAD BEARDSLEY; and LEONID (NMI) CHUZHOUY, residing respectively at Peoria, Illinois; Laura, Illinois; and Dunlap, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

A PROCESS FOR APPLYING A FUNCTIONAL GRADIENT MATERIAL COATING TO A COMPONENT FOR IMPROVED PERFORMANCE

for which ASSIGNORS have made application for Letters Patent in the United States of America, such invention being described and identified by said application identified as Application No. 09/057,050, filed April 8, 1998; and

WHEREAS, CATERPILLAR INC., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS;

1. ASSIGNORS hereby sell, assign, transfer and convey unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNORS have the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNORS agree to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNORS hereby authorize and request the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to CATERPILLAR INC.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, ASSIGNORS' heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Kenneth W. Burris
KENNETH W. BURRIS

6/4/98
Date

IN WITNESS OF the execution hereof by KENNETH W. BURRIS we have hereunto set our hands.

Karen Raab 6/4/98
Witness (1) (Date)

K. Burris
Witness (2) (Date)

Address: _____

Address: _____

311 Sweetbriar
Chillicothe, IL 61523

611 N. Maple Hill
Chillicothe, IL 61523

M. Brad Beardsley
M. BRAD BEARDSLEY

6-5-98
Date

IN WITNESS OF the execution hereof by M. BRAD BEARDSLEY we have hereunto set our hands.

Karen Raab 6/5/98
Witness (1) (Date)

M. Brad Beardsley 6/5/98
Witness (2) (Date)

Address: 311 Sweetbriar
Chillicothe, IL 61523

Address: 2310 W. Rivera
Provo IL 61614

Leonid Chuzhoi
LEONID (NMI) CHUZHOU

6/4/98
Date

IN WITNESS OF the execution hereof by LEONID (NMI) CHUZHOU we have hereunto set our hands.

Karen Raab
Witness (1) (Date)

Karen Raab 6/4/98
Witness (2) (Date)

Address: 611 N. Maple Hill
Chillicothe, IL 61523

Address: 311 Sweetbriar
Chillicothe, IL 61523