

05-07-2003



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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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

1. Name of conveying party(ies): Matthew J. Alger, Cho Y. Liang, Edward J. Woods. Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

5-6-03

2. Name and address of receiving party(ies): Name: Caterpillar Inc. Internal Address: 100 NE Adams, Peoria IL 61629-6490. Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of conveyance: [X] Assignment, [ ] Merger, [ ] Security Agreement, [ ] Change of Name, [ ] Other. Execution Date: 02/25/2003, 02/20/2003, 04/21/2003

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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) 10/307,882 B. Patent No.(s). Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Jason J. Stanley, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N. E. Adams Street, Peoria IL 61629-6490

6. Total number of applications and patents involved: 1. 7. Total fee (37 CFR 3.41) \$ 40.00. [ ] Enclosed, [X] Authorized to be charged to deposit account. 8. Deposit account number: 03-1129

DO NOT USE THIS SPACE

9. Signature: Jason J. Stanley, Docket Number: 02-199, Date: 04/22/2003. Total number of pages including cover sheet, attachments, and documents: 03

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Handwritten signature of Jason J. Stanley

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

**ASSIGNMENT**

WHEREAS, MATTHEW J. ALGER, residing at Columbus, Ohio, hereinafter referred to as ASSIGNOR has invented together with Cho Y. Liang and Edward J. Woods a new and useful

**POWER GENERATION SYSTEM HAVING AN EXTERNAL PROCESS MODULE**

for which ASSIGNOR has made application for Letters Patent in the United States of America, such invention being described and identified by said application identified as Application No. 10/307,882, filed December 2, 2002; 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 ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys 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 ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees 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. ASSIGNOR hereby authorizes and requests 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 ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

*Matthew J. Alger*  
MATTHEW J. ALGER

2/25/03  
Date

IN WITNESS OF the execution hereof by MATTHEW J. ALGER we have hereunto set our hands.

*S. Reynolds* 2/25/03  
Witness (1) Date  
Address: 851 Cherryberry Dr  
Columbus, Oh 43228

*Jerry A. Gell* 2/25/03  
Witness (2) Date  
Address: 1506 Penworth Drive  
Columbus OH 43229

**ASSIGNMENT**

WHEREAS, CHO Y. LIANG, residing at West Lafayette, Indiana, hereinafter referred to as ASSIGNOR has invented together with Matthew J. Alger and Edward J. Woods a new and useful

**POWER GENERATION SYSTEM HAVING AN EXTERNAL PROCESS MODULE**

for which ASSIGNOR has made application for Letters Patent in the United States of America, such invention being described and identified by said application identified as Application No. 10/307,882, filed December 2, 2002; 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 ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys 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 ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees 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. ASSIGNOR hereby authorizes and requests 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 ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

*Cho Y. Liang*  
CHO Y. LIANG

2/20/2003  
Date

IN WITNESS OF the execution hereof by CHO Y. LIANG we have hereunto set our hands.

*John R. Brubaker* 2/20/2003  
Witness (1) Date  
Address: 2440 E. 300N.  
Battle Ground, IN 47920

*Huehwa Chen* 2/20/2003  
Witness (2) Date  
Address: 207-04 Airport Road.  
W. Lafayette, IN 47906

**ASSIGNMENT**

WHEREAS, EDWARD J. WOODS, residing at Germantown Hills, Illinois, hereinafter referred to ASSIGNOR has invented together with Matthew J. Alger and Cho Y. Liang a new and useful

**POWER GENERATION SYSTEM HAVING AN EXTERNAL PROCESS MODULE**

for which ASSIGNOR has made application for Letters Patent in the United States of America, such invention being described and identified by said application identified as Application No. 10/307,882, filed December 2, 2002; 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 ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys 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 ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees 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. ASSIGNOR hereby authorizes and requests 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 ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Edward J. Woods  
EDWARD J. WOODS

4/21/03  
Date

IN WITNESS OF the execution hereof by EDWARD J. WOODS we have hereunto set our hands.

Stephen K. Simpson 04/21/03  
Witness (1) Date  
Address: 20 Stonehedges Court  
Bloomington, IL 61704

Richard H. Holman 4/21/03  
Witness (2) Date  
Address: 2030 W. BRISTOL HANCOCK RD  
DUNLAP, IL 61525