Tab settings	VA CAT
To the Honorable Commissioner of Patents and Tradentalist	30627 s. riease Record the attached original documents or copy thereof.
1. Name of conveying party(ies): Dana R. Coldren Mingchun Dong Michael R. Huffman Additional name of conveying party(ies) attached? □ Yes ☒ No	Name and address of receiving party(ies) Name: Caterpillar Inc. Patent Department Internal Address: O
3. Nature of conveyance: ☐ Merger	Street Address: 100 NE Adams Street
☐ Security Agreement ☐ Change of Name ' ☐ Other Execution Date: 02-24-04	City: Peoria State: IL Zip: 6162 Additional Name(s) & address(es) attached? ☑ Yes ☐
A. Patent Application No.(s)	on, the execution date of the application is: 02-24-04 B. Patent No.(s)
Additional numbers 5. Name and address of party to whom correspondence	
Additional numbers	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning this document should be mailed:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: 1
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Michael B. McNeil	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: 7 7. Total fee (37 CFR 3.41)\$ 40 Enclosed
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Michael B. McNeil Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: 7 7. Total fee (37 CFR 3.41)\$ 40 Enclosed Authorized to be charged to deposit account 8. Deposit account number:
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Michael B. McNeil Internal Address: 511 S. Madison Street P.O. Box 2417 City: Bloomington State: IN Zip: 47402	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: 7 7. Total fee (37 CFR 3.41) \$ 40
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Michael B. McNeil Internal Address: 511 S. Madison Street P.O. Box 2417 City: Bloomington State: IN Zip: 47402	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: 7 7. Total fee (37 CFR 3.41)\$ 40

PATENT REEL: 015047 FRAME: 0606

ASSIGNMENT

WHEREAS, Mingchun Dong, residing at Bloomington, Illinois, hereinafter referred to ASSIGNOR has invented together with Dana R. Coldren, Michael R. Huffman a new and useful

ELECTRONIC UNIT INJECTOR WITH PRESSURE ASSISTED NEEDLE CONTROL

for which ASSIGNOR is about to file an international application and/or make application for Letters
Patent in the United States of America, such invention being described and identified by said
application having an attached International Application Request and/or an attached Declaration and
Power of Attorney executed by ASSIGNOR on Feb. 25, 2004; and
WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria,
State of Illimaia I Inited States of America Institute of Institute of America Institute of America Institute of Institu

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, ASSIG	NOR has executed this instrument.
Min John Dong	2-25-2004
MINGCHUN DONG	Date
IN WITNESS OF the execution hereof by MIN	IGCHUN DONG we have hereunto set our hands.
Richard A. Harnich 2/25704 Witness (1) Date	Mithet 1 2/25/04
Witness (1) Date Address: 2948 E.1700 North Rd	Witness (2) Address: 403 East First St. Apt. 1
Flanagan, IL 6/740	ElPaso, IL 61738
<i>y</i>	•

03-344

ASSIGNMENT

WHEREAS, Michael R. Huffman, residing at Pontiac, Illinois, hereinafter referred to ASSIGNOR has invented together with Dana R. Coldren, Mingchun Dong a new and useful

ELECTRONIC UNIT INJECTOR WITH PRESSURE ASSISTED NEEDLE CONTROL

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 2-25-04; 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, ASSIGN MICHAEL R. HUFFMAN	NOR has executed this instrument. 2/25/2004 Date
WITNESS OF the execution hereof by MICI Ben Town 2/25/2004 Witness (1) Date Address: 2449 County Road 800N VARNA, IL 6/375	HAEL R. HUFFMAN we have hereunto set our hands. Witness (2) Address: Brook Sicke Dr. Peoria, IL 6/6/5

03-344

PATENT REEL: 015047 FRAME: 0608

ASSIGNMENT

WHEREAS, Dana R. Coldren, residing at Fairbury, Illinois, hereinafter referred to ASSIGNOR has invented together with Mingchun Dong, Michael R. Huffman a new and useful

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ELECTRONIC UNIT INJECTOR WITH PRESSURE ASSISTED NEEDLE CONTROL
for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 2/24/04; 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.
2/24/04
DANA R. COLDREN Date
IN WITNESS OF the execution hereof by DANA R. COLDREN we have hereunto set our hands.
DePayra 2/24/04 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Witness (1) Date Witness (2) \ Date
Address: 55 Harmony Lane Address: 1217 RIVIERA DRIVE
Romeoville, IL60446 BLOOMINGTON, IL (01701

03-344

RECORDED: 03/03/2004

PATENT REEL: 015047 FRAME: 0609