

08-02-2002

IEET

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 8350.2204
Attorney Customer Number: 22,852



102176580

ATTN. BOX ASSIGNMENTS

To the Honorable Commission
Please record the attached original documents in copy thereon.

1. Name of conveying party: Evan Earl Jacobson		2. Name and address of receiving party(ies): Name: Caterpillar, Inc.	
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Handwritten: 7-26-02
Stamp: JUL 26 2002
Stamp: TRADEMARK OFFICE

Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Internal Address:
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3. Nature of conveyance:	Street Address:	100 N.E. Adams Street
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<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City:	Peoria
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<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State:	IL	Zip Code:	61629-6490
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<input type="checkbox"/> Other:	Additional name(s) & Address(es) attached?
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Execution Dates: 7/18/02	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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:

A. Patent Application Number(s):	B. Patent Number:
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10/145,131

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and registrations involved: One (1)
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Name: Leonard Smith, Jr.	7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account
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Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.
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Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State:	Zip: 20005-3315	8. Deposit Account No.: 06-0916
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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.

Leonard Smith, Jr. Reg. 45,118	<i>Signature</i> Signature	July 26, 2002 Date
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Total number of pages including cover sheet, attachments and documents: 2

08/01/2002 00000001 10145131

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40.00 DP

ASSIGNMENT

WHEREAS I, the below named inventor, hereinafter referred to as Assignor, have made an invention entitled:

ENGINE CONTROL SYSTEM USING A CASCADED NEURAL NETWORK

for which I executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on May 15, 2002 (Serial No. 10/145,131); and

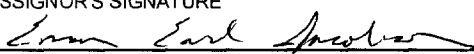
WHEREAS, CATERPILLAR, INC., a corporation of Delaware, whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Evan Earl JACOBSON	ASSIGNOR'S SIGNATURE 	DATE 18 JUL 02
ADDRESS 1124 West Orchard Lane, Peoria, IL 61615		CITIZENSHIP U.S.A.

Listing of Inventors Continued on Page 2 hereof Yes No

1. WITNESS NAME JEFFERY L. PREWETT	WITNESS SIGNATURE <i>Jeffery L. Prewett</i>	DATE 18 JUL 02
ADDRESS 519 WEDGEWOOD TERRACE		CITIZENSHIP USA
METAMORA, IL 61548-9063		

2. WITNESS NAME Jeffrey A Brand	WITNESS SIGNATURE <i>Jeffrey A Brand</i>	DATE 18 Jul 02
ADDRESS 513 School Street		CITIZENSHIP USA
Lacom, IL 61540		

2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP