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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):

John E. Paul

James E. Hart

Michael A. Colbert

Additional name(s) & address(es) attached? Yes No

2. Name and address of receiving party(ies)

Name: WESTINGHOUSE AIR BRAKE CO.

Internal Address: _____

Street Address: AIR BRAKE AVENUE

City: WILMERDING State: PA ZIP: 15148

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: 1/4/00, 1/24/00 & 1/6/00

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): 09/038,175

B. Patent No. (s): _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed.

Name of Agent: James O. Ray, Jr.

Name: JAMES RAY & ASSOCIATES

Internal Address: _____

Street Address: 2640 PITCAIRN ROAD

City: MONROEVILLE State: PA ZIP: 15146

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: _____

(Attach duplicate copy of this page if paying by deposit account)

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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.

Elroy Strickland
NAME OF PERSON SIGNING

Elroy Strickland
SIGNATURE

February 1, 2000
DATE

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:
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PATENT
REEL: 010562 FRAME: 0292

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) John E. Paul, James E. Hart and Michael A. Colbert (hereinafter ASSIGNORS) by

WESTINGHOUSE AIR BRAKE COMPANY

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

COMPUTER CONTROL OF RAILROAD TRAIN BRAKE SYSTEM OPERATION

for which application for Letters Patent of the United States was executed on even date herewith, and all Letters Patent of the United States and corresponding Foreign patents to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

THE ASSIGNORS agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

THE ASSIGNORS agree(s) to execute all papers necessary in connection with any interference or litigation which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereof and to cooperation with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

John E. Paul
JOHN E. PAUL

11/4/00
DATE

James E. Hart
JAMES E. HART

1/27/00
DATE

Michael A. Colbert
MICHAEL A. COLBERT

1/6/00
DATE