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To the Honorable Commissioner of Patents and or copy thereof.

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1. Name of conveying party(ies): ROLAND S. MOORE PAUL E. JAMIESON Additional name(s) & address(es) attached? Yes X 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 X No

3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other Execution Date: 12/7/99 & 12/6/99

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): 09/461,923 B. Patent No.(s): Additional numbers attached? Yes X 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 X 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 SIGNATURE January 20, 2000 DATE

Total number of pages including cover sheet, attachments, and document: 2 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

### 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) Roland S. Moore & Paul E. Jamieson (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:

### *BRAKE DISC WEAR INDICATOR*

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 cooperate 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).

*Roland S. Moore*  
ROLAND S. MOORE

12/07/99  
Date

*Paul E. Jamieson*  
PAUL E. JAMIESON

12/06/9999  
Date