

12-17-1999



FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

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Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

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Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

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(Enter for payment by deposit account or if additional fees can be charged to the account.)

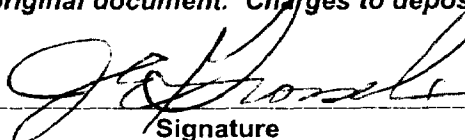
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

John E. Grosselin, III
Name of Person Signing


Signature

12/1/97
Date

Assignment

WHEREAS, I, Robert C. Kull
residing at 17320 Evangeline Lane, Olney, Maryland 20832

have invented certain new and useful improvements in ECP TRAIN LINE COMMUNICATIONS FOR RAILWAY FREIGHT CAR BRAKES

for which I have ~~executed~~ executed an application for United States Letters Patent bearing Serial No. 09/224,543, filed December 31, 1998

AND WHEREAS Westinghouse Air Brake Company
1000 Air Brake Avenue
Wilmerding, PA 15148

hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by said assignee receipt whereof I hereby acknowledge, I do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country of the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment

And for the consideration aforesaid, I agree that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED Robert C. Kull 12/3 19 98

Robert C. Kull (SEAL)
Robert C. Kull

State of MARYLAND
County of Montgomery } ss:

Before me, a Notary Public in and for the said County and State, personally appeared Robert C. Kull

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed

Witness my hand and notarial seal this 3rd day of December 19 98

(Notarial Seal) Diane S. Hopkins Notary Public

NOTE - This assignment should be recorded in the U.S. Patent and Trademark Office within three months after its date of execution

(APPLICATION ASSIGNMENT-SOLE INVENTOR)

DIANE S. HOPKINS
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires February 11, 2001