

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jonathan David Francis</td><td>07/05/2005</td></tr><tr><td>Paul Robertshaw</td><td>07/12/2005</td></tr></tbody></table>	Name	Execution Date	Jonathan David Francis	07/05/2005	Paul Robertshaw	07/12/2005					
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Westinghouse Brake and Signal Holdings Limited</td></tr><tr><td>Street Address:</td><td>Foundry Lane, Chippenham</td></tr><tr><td>City:</td><td>Wiltshire</td></tr><tr><td>State/Country:</td><td>UNITED KINGDOM</td></tr><tr><td>Postal Code:</td><td>SN15 1RT</td></tr></table>	Name:	Westinghouse Brake and Signal Holdings Limited	Street Address:	Foundry Lane, Chippenham	City:	Wiltshire	State/Country:	UNITED KINGDOM	Postal Code:	SN15 1RT	
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11222917</td></tr></tbody></table>	Property Type	Number	Application Number:	11222917							
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CORRESPONDENCE DATA											
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Total Attachments: 2 source=55815assign#page1.tif source=55815assign#page2.tif											

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PATENT  
REEL: 022423 FRAME: 0361

CPH Docket No.

Return to: CHRISTIE, PARKER & HALE, LLP  
Post Office Box 7068  
Pasadena, CA 91109-7068

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Jonathan David Francis, a citizen of the United Kingdom, residing at 9 Sunningdale Close, Monkton Park, Chippenham, Wiltshire SN15 3XH, UK and Paul Robertshaw, a citizen of the United Kingdom, residing at 85 Mile End Avenue, Hatfield, Doncaster DN7 6AL, UK

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

Westinghouse Brake and Signal Holdings Limited

having a place of business at

Foundry Lane, Chippenham, Wiltshire SN15 1RT, UK

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

TRAIN DETECTION

which claims foreign priority of  
Patent Application No. GB 0419995.6

filed 9 September 2004

which application was:

(a) executed by the undersigned on (5a) \_\_\_\_\_

(b) filed on (5b) \_\_\_\_\_

and assigned Application No. \_\_\_\_\_

including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do

everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

IN TESTIMONY WHEREOF, I execute this Assignment on the 5<sup>th</sup> day of  
JULY, 2005.

  
\_\_\_\_\_  
Jonathan David Francis

IN TESTIMONY WHEREOF, I execute this Assignment on the 12<sup>th</sup> day of  
JULY, 2005.

  
\_\_\_\_\_  
Paul Robertshaw