

08-12-1999

FEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office



To the Honorable Commissioner of Patents

101115625

3 original documents or copy thereof.

1. Name of conveying party(ies):

PULSE ELECTRONICS, INC.

- Individual
- General Partnership
- Corporation-- Delaware
- Other: _____
- Association
- Limited Partnership

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Name: WESTINGHOUSE AIR BRAKE COMPANY

Address: 1001 Air Brake Avenue

City: Wilmerding State: PA Zip: 15148

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other: _____
- Merger
- Change of Name

Execution Date: December 31, 1997

- Individual(s) citizenship _____
- Association _____
- General Partnership _____
- Limited Partnership _____
- Corporation-State _____
- Other Delaware _____

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No (Designations must be a separate document from assignment.)

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

4. Application number(s) or patent number(s)

A. Trademark Application No(s).

B. Trademark Registration No(s).

1,909,793 1,786,567 1,782,500 1,777,714
 1,553,550 1,536,241 1,220,626 1,356,294

Additional numbers attached? Yes No

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

Name: Raymond A. Miller

REED SMITH SHAW & McCLAY LLP

Address: P.O. Box 488

City: Pittsburgh State: PA Zip: 15230

6. Total number of applications and registrations involved:

8

7. Total fee (37 CFR 2.6(b)(6)): \$225.00

- Enclosed
- Authorized to be charged to deposit account
- Charge any deficiency to deposit account

8. Deposit account number:

18-0582

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

08/11/1999 MTH011 00000247 1909793

DO NOT USE THIS SPACE

01 FC:481 Statement and signature 40.00 OP

02 FC:482 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true and copy of the original document. 175.00 OP

Raymond A. Miller
Name of Person Signing

Signature

6 August 1999
Date

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Repl. No. 08/11/1999 MTH011 001032000
M#: 18093
M#: 1909793
M#: 704

ASSIGNMENT OF MARKS

TAM # 1

This Assignment of Marks effective this 26th day of December, 1997, between PULSE ELECTRONICS, INC., a Delaware corporation having a place of business at 21200 Dorsey Mill Road, Germantown, Maryland 20876 ("Assignor") and WESTINGHOUSE AIR BRAKE COMPANY, a Delaware corporation having a business address of 1001 Air Brake Avenue, Wilmerding, Pennsylvania 15148 ("Assignee").

WHEREAS, Assignor has adopted and used the Marks described on Exhibit A attached hereto and made a part hereof.

WHEREAS, Assignee is desirous of acquiring the entire right, title and interest in said Marks set forth in the attached Exhibit A.

NOW, THEREFORE, intending to be legally bound, Assignor conveys to Assignee, and does hereby confirm that it has conveyed to Assignee, pursuant to the terms and provisions of the Merger effective December 31, 1997, and for the consideration specified therein, all of its right, title, interest and goodwill in and to the Marks described in Exhibit A attached hereto and made a part hereof.

PULSE ELECTRONICS, INC.

By: James E. McClaine
Name: James E. McClaine
Title: Vice President & General Manager
Date: 1/29/99

Sworn to and subscribed

before me this 29th day

of July, 1999

Diane S. Hopkins
Notary Public

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

EXHIBIT A

	MARK	REG. NUMBER	REG. DATE	GOODS/ SERVICES
1.	ARMADILLO	1,909,793	8/8/95	RUGGEDIZED, CONDUCTION-COOLED PERSONAL COMPUTERS
2.	TRAIN SENTRY	1,786,567	8/10/93	ELECTRONIC SAFETY ALARM FOR USE BY LOCOMOTIVE ENGINEERS
3.	SMARTPACK	1,782,500	7/20/93	BATTERY PACK
4.	TRAINLINK	1,777,714	6/22/93	ELECTRONIC END-OF-TRAIN MONITORING EQUIPMENT FOR USE IN MONITORING AND COMMUNICATING BRAKE PIPE PRESSURE AND OTHER MEASURED OR SENSED VARIABLES FOR USE IN THE RAIL ROAD INDUSTRY
5.	PULSAR	1,553,550	8/29/89	END OF TRAIN (EOT) MARKER WARNING LIGHTS
6.	FUELLINK (Stylized)	1,536,241	4/25/89	FUEL METERS
7.	PULSE (Stylized)	1,220,626	12/21/82	AUTOMATIC BRAKE MONITORS, RAILROAD ROLLING STOCK SPEEDOMETERS, SPEED INDICATORS AND RECORDERS, SPEEDOMETER CALIBRATORS, CURRENT SENSING MODULES, SIGNAL GENERATORS AND TRAIN CONTROL SCANNERS
8.	7000	1,356,294	8/27/85	COMPUTERS