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03-01-2000



PATENT  
1925- P0111A

101277814

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignor:	Haldex Midland Brake Corporation
Assignee:	Haldex Financial Services Corporation
Registration No: 4,354,713	Issue Date: 10/19/1982
Title of Applications	Dual area metering valve with variable reaction assembly

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Box Assignment  
Assistant Commissioner for Patents  
Washington, DC 20231

Assignment Recordation Form Cover Sheet

Dear Sir:

Please record the attached original document.

- Name of conveying party(ies) Haldex Midland Brake Corporation
- Name and Address of Receiving Party Haldex Financial Services Corporation located at 10930 N. Pomona Avenue, Kansas City, MO 64153-1297
- Nature of Conveyance: Haldex Midland Brake Corporation assigned the said Patent to Haldex, Inc. of 10930 N. Pomona Ave.; Kansas City, MO, who then assigned the said Patent to Haldex Financial Services Corporation of 10930 N. Pomona Ave.; Kansas City, MO on June 14, 1999
- Name and Address of Party to Whom Correspondence Concerning Document should be mailed.

Wesley W. Whitmyer, Jr., Registration No. 33,558  
Attorney for Assignee  
ST.ONGE STEWARD JOHNSTON & REENS LLC  
986 Bedford Street  
Stamford, CT 06905-5619  
203 324-6155

02/29/2000 DMGUYEN 00000176 4054713  
01 FC:581 40.00 OP

Mailing Certificate: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as *First Class Mail* in an envelope addressed to: Box Assignment; Commissioner of Patents and Trademarks; Washington, DC 20231.

Feb. 1  
January 13, 2000

5. Patent Number: 4,354,713
6. Total Number of Patents Involved: 1.
7. Total Fee (37 CFR 3.41). \$40.00 due. A check for this amount is enclosed.
8. Authorization to Charge Deposit Account. The Commissioner is hereby authorized to charge any additional fees due by this paper and during the entire pendency of this Application to Account No. 19-4516.
9. Statement and Signature. Total number of pages including cover sheet, attachments and document are 6. To the best of my knowledge and belief, the foregoing information is true and correct.

Respectfully submitted,



---

Wesley W. Whitmyer, Jr., Registration No. 33,558  
Attorney for Assignee  
ST.ONGE STEWARD JOHNSTON & REENS LLC  
986 Bedford Street; Stamford, CT 06905-5619

## CONFIRMATORY ASSIGNMENT

WHEREAS HALDEX MIDLAND BRAKE CORPORATION (ASSIGNOR), a Delaware Corporation, whose post office address is 10930 N. Pomona Avenue, Kansas City, MO 64153-1297, owns all right, title and interest in and to the Patents, Trademarks, and Patent Applications listed on Exhibit A, including but not limited to the right to file divisional, continuation and any international applications on the inventions disclosed in said Patents and Patent Applications, to sue and collect damages for past infringement of said patents, and to all good will appropriated with the Trademarks and Trademark Applications.

WHEREAS, ASSIGNOR has assigned its entire right, title and interest in and to said Intellectual Property to HALDEX, INC. (ASSIGNEE), a Delaware corporation whose post office address is 10930 N. Pomona Avenue, Kansas City, MO 64153-1297.

WHEREAS, ASSIGNEE is desirous of recording its ownership of said Patent Applications and Patents in the U.S. Patent Office.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is acknowledged, ASSIGNOR hereby conveys, assigns and transfers, and confirms the conveyance, assignment and transfer to ASSIGNEE, of the entire right, title and interest in and to

said Intellectual Property, including but not limited to the rights to file divisional,


Confirmatory Assignment

Page 2

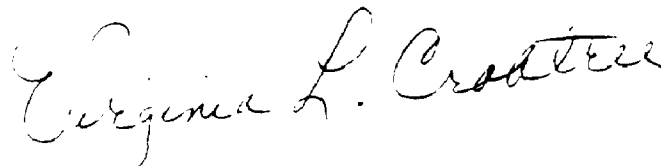
continuation and any international applications on the inventions disclosed in said Patents and Patent Applications, to sue and collect damages for past infringement of said Patents, and to all goodwill associated with the Trademarks and Trademark Applications.

Executed this 14<sup>th</sup> day of June, 1999, at Kansas City MO

HALDEX MIDLAND BRAKE CORPORATION

By   
Brendan Storm  
Secretary

Notary Public



VIRGINIA L CRABTREE  
NOTARY PUBLIC STATE OF MISSOURI  
PLATTE COUNTY  
MY COMMISSION EXP. MAR. 2,2000

TRADEMARK  
REEL: 002034 FRAME: 0212

**EXHIBIT A**

Matter Name	Status	Registration Number	Issue Date	Serial Number	File Date
Drive Through Crankshaft	Granted	5,497,742	1996/03/12	08/358,859	1994/12/19
Brake System for Heavy Duty Semi-Trailer Brakes	Granted	5,511,860	1996/04/30	08/346,396	1994/11/29
Retracting Strap Plate Clutch Assembly	Granted	5,236,070	1993/08/17	08/002,063	1993/01/08
Split System Full-Function Valve	Granted	5,425,571	1995/06/20	08/149,288	1993/11/09
Full-Function Valve with Quick Drive Away for Semi-Trailers	Granted	5,458,403	1995/10/17	08/236,626	1994/04/29
Full-Function Valve For Tandem Trailer Brake System	Granted	5,466,053	1995/11/14	08/304,393	1994/09/12
Tapered Joint Thread System	Granted	5,580,101	1996/12/03	08/531,892	1995/09/22
Booster Valve With Contaminant Ejection	Granted	5,709,246	1998/01/20	08/743,251	1996/11/04
Hydraulic System for Accommodating Fluid Pressure Variations	Granted	5,704,273	1998/01/06	08/778,902	1997/01/03
Full Function Skid Control Braking System for Vehicles	Granted	5,409,303	1995/04/25	08/252,931	1994/06/02
Full Function Skid Control Braking System for Vehicles	Granted	5,577,814	1996/11/26	08/427,371	1995/04/24
Long Stroke Spring Brake Actuator	Granted	5,623,862	1997/04/29	08/516,444	1995/08/17
Simplified Full-Function Valve for Heavy Duty Brake Systems	Granted	5,553,928	1996/09/10	08/411,936	1995/03/28
Quick-Release Valve for a Vehicle Air Release Brake System	Granted	5,425,572	1995/06/20	08/078,139	1993/06/15
Proportioning Module	Granted	5,362,136	1994/11/08	08/025,187	1993/03/02
Indicator Unit For An Air Brake System	Granted	5,358,076	1994/10/25	08/102,591	1993/08/05
Sealed Air Dryer With Turbosaver Valve	Granted	5,334,230	1994/08/02	07/995,800	1992/12/23
Valve Assembly For A Vehicle Air Brake System	Granted	5,322,353	1994/06/21	08/013,588	1993/02/04
Split Hinge Clutch Brake And Method To Assemble	Granted	5,285,881	1994/02/15	07/964,783	1992/10/22
Tractor-Mounted Integrated Gladhand and Quick-Release Valve	Granted	5,240,271	1993/08/31	07/788,882	1991/11/07
Full-Function Valve For Heavy Duty Semi-Trailer Brake System	Granted	5,236,250	1993/08/17	07/939,141	1992/09/02
Air Dryer Purge Line	Granted	5,186,522	1993/02/16	07/764,913	1991/09/24
Lubrication Of A Brake Air Compressor For Combustion Engine	Granted	5,154,585	1992/10/13	07/805,070	1991/12/11
Combination Brake Valve Module	Granted	5,046,786	1991/09/10	07/537,083	1990/06/12
Dual Area Metering Valve With Variable Reaction Assembly	Granted	4,354,713	1982/10/19	06/206,524	1980/11/13
Tractor Air Brake System and Control Valve Means Therefor	Granted	4,383,717	1983/05/17	06/273,945	1981/06/15
Electrical Connectors Having Insert Spring, Cable Clip	Granted	4,401,357	1983/08/30	06/149,196	1980/05/12
Control Valve For Tractor Rear Axles	Granted	4,410,218	1983/10/18	06/273,870	1981/06/15
Full-function Valve For Heavy Duty Semi-Trailer brake	Granted	5,445,440	1995/08/29	08/213,164	1994/03/15
Safety Restraint For Brake Actuators	Granted	4,565,120	1986/01/21	06/713,884	1985/03/20

Vehicle Brake System	Granted	RE31.337	1983/08/09	05/946.491	1978/09/28
Clutch Or Brake System For A Heavy Duty Vehicle	Granted	5.123.514	1992/06/23	07/763.360	1991/09/20
Full Function Skid Control Braking System for Vehicles	Granted	5.722.740	1998/03/03	08/758.195	1996/11/25

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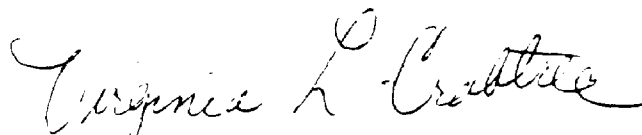
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