

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT
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CONVEYING PARTY DATA

Name	Execution Date
ACF INDUSTRIES, INCORPORATED	10/03/1997

RECEIVING PARTY DATA

Name:	AMERICAN RAILCAR INDUSTRIES, INC.
Street Address:	100 Clark Street
City:	St. Charles
State/Country:	MISSOURI
Postal Code:	63301-2075

PROPERTY NUMBERS Total: 8

Property Type	Number
Patent Number:	5868284
Patent Number:	5355809
Patent Number:	5314094
Patent Number:	5236287
Patent Number:	5232315
Patent Number:	5076539
Patent Number:	5017065
Patent Number:	4641677

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

23742/2

NAME OF SUBMITTER:

Mark S. Leonardo

Total Attachments: 7

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## ASSIGNMENT

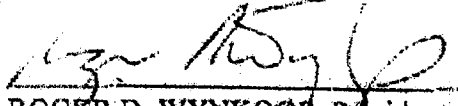
WHEREAS, ACF INDUSTRIES, INCORPORATED, a corporation organized and existing under the laws of the State of New Jersey, with offices at 620 North Second Street, St. Charles, Missouri 63301, is the owner of record of the patents and patent application listed on the attached Appendix A.

AND, WHEREAS, AMERICAN RAILCAR INDUSTRIES, INC., a corporation organized and existing under the laws of the state of Missouri, with offices at 100 Clark Street, St. Charles, MO 63301-2075, is desirous of acquiring the entire right, title and interest in and to the patents and patent application identified in the attached Appendix A:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, said ACF INDUSTRIES, INCORPORATED, do hereby sell, assign, transfer and set over unto said AMERICAN RAILCAR INDUSTRIES, INC. the entire right, title and interest in and to the patents and patent application identified in the attached Appendix A, in the United States and all foreign countries, and any reissue or extension thereof, the same to be held and enjoyed by AMERICAN RAILCAR INDUSTRIES, INC. a corporation, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ACF INDUSTRIES, INCORPORATED if this Assignment and sale had not been made; and we agree to execute such further applications, powers of attorney, assignments and other documents as may be necessary or desirable to effectuate this assignment.

AND WE DO HEREBY authorize and request the Commissioner of Patents and Trademarks to transfer said patents and patent application in Appendix A to the said AMERICAN RAILCAR INDUSTRIES, INC., a corporation, its successors and assigns, as assignees of the entire right, title and interest in and to said improvements, for the sole use and benefit of said AMERICAN RAILCAR INDUSTRIES, INC., a corporation, and for its successors and assigns, to the full ends of the terms for which said patents and patent application shown in Appendix A may be granted.

Date: 10/3/97

  
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ROGER D. WYNKOOP, President  
ACF Industries, Incorporated

Attachment - Appendix A (5 pages) listing patents to be assigned.

STATE OF MISSOURI )  
 ) ss  
COUNTY OF ST. CHARLES )

On this 3rd day of October, 1997, before me, a Notary Public, personally appeared ROGER D. WYNKOOP, to me known to be the person named in and who executed the above Assignment, and acknowledged to me that he executed the same for the uses and purposes therein mentioned, as his own free act and deed.

My commission expires:

Donna Garza  
Notary Public

" NOTARY SEAL "  
Donna Garza, Notary Public  
St. Charles County, State of Missouri  
My Commission Expires 5/20/98

APPENDIX A  
 PATENTS ASSIGNED FROM ACE INDUSTRIES, INCORPORATED  
 TO AMERICAN RAILCAR INDUSTRIES, INC.

U. S. Patent No.	Title	Issue Date	Recordal Date	Reel/Frame
<b>U.S. PATENTS</b>				
4,126,094	Combination Hatch Cover Having Supplemental Locking Arrangement	11/21/78	1/25/85	4365/266
4,151,935	Sampling assembly for pneumatic outlet	5/1/79	1/25/85	4365/266
4,158,453	Bottom operable tank car valve	6/19/79	1/25/85	4365/266
4,163,583	Pneumatic hopper outlet cap latch	8/7/79	1/25/85	4365/266
4,166,520	Protective elastomeric brake rod sealing boot	9/4/79	1/25/85	4365/266
4,168,929	Unloading system including open top bottom dump railway car having transversely spaced body sections	9/25/79	1/25/85	4365/266
4,179,998	Head insert for railway trailer hitch	12/25/79	1/25/85	4365/266
4,180,242	Bottom operable tank car lading valve with minimum skid protection for retrofit	12/25/79	1/25/85	4365/266
4,184,663	Combination tank car valve skid and valve seat	1/22/80	1/25/85	4365/266
4,185,564	Trailer hitch yoke positioning assembly	1/29/80	1/25/85	4365/266
4,187,881	Cone valve assembly	2/12/80	1/25/85	4365/266
4,189,262	Apparatus and Method For Handling Dry Bulk Materials In A Hopper-Type Container Using Air Agitation	2/19/80		
4,189,263	Sparger outlet having sparger loop valve assembly	2/19/80	1/25/85	4365/266
4,193,350	Head insert for railway trailer hitch	3/18/80	1/25/85	4365/266
4,193,480	Railway car brake rigging	3/18/80	1/25/85	4365/266
4,198,037	Bottom Operable Tank Car Lading Valve Assembly Which Does Not Require A Skid	4/15/80	1/25/85	4365/266
4,206,709	Hopper car for liquid unit-train service	6/10/80	1/25/85	4365/266
4,207,822	Hopper car outlet gate assembly	6/17/80	1/25/85	4365/266
4,212,447	Operating handle for bottom operated railway tank car valve	7/15/80	1/25/85	4365/266
4,213,590	Hitch head having manual jaw unlock	7/22/80	1/25/85	4365/266

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 PATENTS ASSIGNED FROM ACF INDUSTRIES, INCORPORATED  
 TO AMERICAN RAILCAR INDUSTRIES, INC.

U. S. Patent No.	Title	Issue Date	Recordal Date	Reel/Frame
4.216,726	Railway trailer hitch stand pivoting one-way gate	8/12/80	1/25/85	4365/266
4.221,358	Positive clapper outlet valve	9/9/80	1/25/85	4365/266
4.221,397	Trailer hitch head having jaws which bear all of the kingpin wear	9/9/80	1/25/85	4365/266
4.224,502	Automatic welding feeder shut off	9/23/80	1/25/85	4365/266
4.225,276	Fifth wheel for railway trailer hitch including a one-way gate	9/30/80	1/25/85	4365/266
4.230,430	Collapsible fifth wheel trailer hitch locked position indicator	10/28/80	1/25/85	4365/266
4.230,431	Tractor operated fifth wheel hitch stand diagonal strut linkage	10/28/80	1/25/85	4365/266
4.236,853	Plated container pedestal locking member	12/2/80	1/25/85	4365/266
4.237,927	Automatic air inlet and outlet valve assembly	12/9/80	1/25/85	4365/266
4.239,060	Automatic air inlet and outlet valve assembly having upper chamber opening	12/16/80	1/25/85	4365/266
4.239,183	Handle assembly for bottom outlet valve	12/16/80	1/25/85	4365/266
4.239,429	Collapsible trailer hitch bumper block excessive impact protection assembly	12/16/80	1/25/85	4365/266
4.240,607	Top operated tank car lading valve also operable from the bottom	12/23/80	1/25/85	4365/266
4.242,966	Railway car truck transom including a tubular bearing assembly	1/6/81	1/25/85	4365/266
4.248,160	Railway hatch cover and strap latching assembly	2/3/81	1/25/85	4365/266
4.248,552	End cap arrangement utilizing large headed bolts	2/3/81	1/25/85	4365/266
4.258,830	Railway brake system utilizing slack adjuster in compression	3/31/81	1/25/85	4365/266
4.264,053	Top operated outlet valve with unitary closure guide and retainer	4/28/81	1/25/85	4365/266
4.265,182	Damping railway car truck	5/5/81	1/25/85	4365/266
4.268,010	Operating handle for bottom operated railway tank car valve	5/19/81	1/25/85	4365/266
4.270,729	Top operated tank car clapper valve	6/2/81	1/25/85	4365/266
4.272,053	Combination top operable and bottom operable tank lading valve assembly	6/9/81	1/25/85	4365/266
4.278,107	Automatic vacuum relief valve for hopper cars	7/14/81	1/25/85	4365/266

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 TO AMERICAN RAILCAR INDUSTRIES, INC.

U. S. Patent No.	Title	Issue Date	Recordal Date	Reel/Frame
4,280,706	Seal for fluidizing outlet	7/28/81	1/25/85	4365/266
4,286,524	Pressurized Hopper Car Interior Side and Roof Bracing Support Structure	9/1/81	1/25/85	4365/266
4,289,078	Tilting Dumping Bottom Section Railway Car	9/15/81	1/25/85	4365/266
4,305,271	Apparatus For Rolling Curved Sections	12/15/81	1/25/85	4365/266
4,310,145	Combination Top Operable and Bottom Operable Tank Lading Valve Assembly	1/12/82	1/25/85	4365/266
4,311,298	Low Profile Tank Car Ball Valve	1/19/82	1/25/85	4365/266
4,315,465	Constant Contact Side Bearing For Articulated Rail Cars	2/16/82	1/25/85	4365/266
4,318,531	Low Profile Cone Valve Assembly	3/9/82	1/25/85	4365/266
4,323,096	Combination Vacuum Relief Valve and Pressure Relief Valve Which Are Protected From the Atmosphere	4/6/82	1/25/85	4365/266
4,327,768	Bottom Outlet Valve Open and Closed Indicator	5/4/82	1/25/85	4365/266
4,333,666	Hitch Head Having Interlocking Jaw Mechanism	6/8/82	1/25/85	4365/266
4,347,426	Arc-Spot Welding Method and Apparatus	8/31/82	1/25/85	4365/266
4,348,964	Sliding Sill Low Friction Supporting Plate Assembly	9/14/82	1/25/85	4365/0266
4,352,331	Railway Hopper Car	10/5/82	9/29/86	4612/368
4,353,310	Cushioned Railway Car Center Plate Assembly	10/12/82	1/25/85	4365/266
4,353,311	Railway Car Center Plate Assembly	10/12/82	1/25/85	4365/0266
4,353,668	Hopper Bottom Unit	10/12/82	9/29/86	4612/368
4,360,295	Combination Gravity/Pneumatic Hopper Bottom	11/23/82	9/29/86	4612/368
4,375,894	Hitch Head Having Jaws and Lock Block With Cooperating Tapered Surfaces	3/8/83		
4,382,725	Pneumatic Outlet Valve	5/10/83		
4,394,195	Cooling of Center Plate To Avoid Softening	7/19/83		
4,397,591	Pneumatic Outlet Control Valve	8/9/83		

U.S. WORKING DRAWINGS

**APPENDIX A**  
**PATENTS ASSIGNED FROM ACF INDUSTRIES, INCORPORATED**  
**TO AMERICAN RAILCAR INDUSTRIES, INC.**

U. S. Patent No.	Title	Issue Date	Recordal Date	Reel/Frame
4,397,594	Collapsible Trailer Hitch Bumper Block Assembly	8/9/83		
4,398,557	Combination Vacuum Relief Valve and Pressure Relief Valve	8/16/83		
4,405,168	Clamping Assembly for Lifting Heavy Objects Having a Bulbous Engagement Portion	9/20/83	1/25/85	4365/266
4,428,585	Permeable Membrane Seal Assembly	1/31/84	1/25/85	4365/266
4,544,072	Uncoupling Device Which Complies With AAR Specification	10/1/85	1/07/80	3726/667
4,544,306	Automatic Unloading Outlet Assembly	10/1/85	2/18/82	3977/638
4,568,224	Fluidizing Outlet Assembly Including Internal Trough	2/4/86	12/17/79	3719/570
4,598,646	High Volume Covered Hopper Car	7/8/86	10/24/85	4472/262
4,599,948	Railway Hopper Gate Locking Assembly	7/15/86	2/8/82	3976/470
4,608,931	Filament Wound Railway Hopper Car	9/2/86	12/3/81	3967/806
4,618,295	Plenum Chamber Flow Restrictor and Check Valve	10/21/86		
4,641,677	Coaxial Operating Rod and Packing Seal for Top-Operated, Bottom Outlet Valve in Railway Tank Car and Method of Aligning Same	2/10/87	9/19/86	4607/668
4,677,917	High Volume Covered Hopper Car With Loading From Below and Automatic Unloading	7/7/87	10/24/85	4472/215
4,690,071	T russ End Structure For Stub Sill Hopper Cars	9/1/87	12/5/83	4204/782
4,696,238	End Structure For Railway Car	9/29/87	10/21/86	4617/874
4,846,377	Limp Porous Membrane For A Fluidized Outlet	7/11/89	5/1/89	5067/742
4,875,417	End Structure For Railway Car	10/24/89	8/15/89	5137/675
4,880,148	Fluidization Kit For Pneumatic Discharge Outlet	11/14/89	8/15/89	5132/887
4,884,723	Hard Gasket For Retrofit Installation on Hopper Outlet/Hopper Gasket Outlet	12/5/89		
4,890,646	Flexible Siphon Pipe for Tank Car	1/2/90	5/15/89	5077/460
4,922,833	End Structure For Railway Car	5/8/90	10/23/89	5173/401

U. S. PATENT AND TRADEMARK OFFICE



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 PATENTS ASSIGNED FROM ACF INDUSTRIES, INCORPORATED  
 TO AMERICAN RAILCAR INDUSTRIES, INC.

U. S. Patent No.	Title	Issue Date	Recordal Date	Reel/Frame
4,944,233	Hatch Arrangement for Covered Hopper Cars	7/31/90	10/18/91	5880/860
5,000,358	Low Profile Pneumatic Outlet	3/19/91	12/24/90	5548/685
5,004,386	Protective Cover For Railcar Hitch	4/2/91	1/10/92	5559/618
5,017,065	Retractable Railcar Hitch	5/21/91	4/30/90	5284/779
5,059,072	Cushioned Retractable Hitch For Railway Cars	10/22/91	8/20/90	5416/570
5,063,858	Covered Hopper Railway Car With Drop Bottom Doors and Substantially Vertical Outlets To Maximize Discharge Area	11/12/91	7/10/91	5760/727
5,076,539	Tank Car Bottom Valve	12/31/91	7/10/91	5760/735
5,232,315	End Adapter For Railcar Pneumatic Outlet	8/3/93	7/17/92	6157/431
5,236,287	Pneumatic Outlet	8/17/93	10/26/92	6309/669
5,277,128	Railcar Gravity Multi-Ply Outlet Seal For Sliding Doors	1/11/94	6/18/92	6165/049
5,279,395	Railway Car Brake System	1/18/94	7/1/91	5743/777
5,314,094	Cloth Fluidizing Membrane For Hopper Car Outlet	5/24/94	6/28/93	6593/770
5,355,809	Gasket For Use On A Railway Hopper Car Outlet	10/18/94	2/2/93	6421/850
5,404,827	Gravity Outlet	4/11/95	6/28/93	6596/195
5,448,955	Gravity Outlet Latching Mechanism	9/12/95	9/12/94	7159/449
5,507,235	Gravity Outlet	4/16/96	12/18/95	7746/505
D317,277 Design	End Segment of a Railway Car	6/4/91	4/1/91	5642/714
U. S. Patent APPLICATIONS				
Serial No.				
08/759,940	Outlet With Sampling Port		12/3/96	
	<b>5,868,284</b>			

5 WORKSHEET (REV. 12/19/84) EXX  
 12/03/97