

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
1013/12/US/01 United States of America	ORD	08/788,019 24-Jan-1997		5,793,492 11-Aug-1998	Granted 24-Jan-2017	
	<b>Owner Name:</b>	Loram Maintenance of Way, Inc.		<b>Attorney(s):</b> JHP		
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	WHEEL PROFILE SENSOR				
1013/18/CZ/WO Czech Republic	PCT				Unfiled	
	<b>Owner Name:</b>			<b>Attorney(s):</b> JHP		LLP
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	TANGENTIAL GRINDING MACHINE, PARTICULARLY FOR RAILWAY RAILS				
1013/57/US/02 United States of America	PFP	09/118,278 17-Jul-1998		6,033,291 07-Mar-2000	Granted 16-Mar-2018	
	<b>Owner Name:</b>	Loram Maintenance of Way, Inc.		<b>Attorney(s):</b> JHP		
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	OFFSET RAIL GRINDING				
1013/62/US/02 United States of America	PFP	09/950,277 10-Sep-2001		6,719,616 13-Apr-2004	Granted 01-Jan-2022	
	<b>Owner Name:</b>	Loram Maintenance of Way, Inc.		<b>Attorney(s):</b> JHP		
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	RAIL GRINDING APPARATUS				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
1013/64/DE/WOEP Germany	EPC	027842913 25-Oct-2002		1444401 02-Dec-2009	Granted 25-Oct-2022	
	<b>Owner Name:</b>	Loram Maintenance of Way, Inc.		<b>Attorney(s):</b>	JHP JPH	LLP
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	METHOD AND APPARATUS FOR NON-INTERRUPTED GRINDING OF RAILROAD CROSSING AND MAIN LINE TRACK				
1013/64/US/02 United States of America	PFP	10/281,057 25-Oct-2002	20030083001 01-May-2003	7,156,723 02-Jan-2007	Granted 25-Oct-2022	
	<b>Owner Name:</b>	Loram Maintenance of Way, Inc.		<b>Attorney(s):</b>	JHP	
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	METHOD AND APPARATUS FOR NON-INTERRUPTED GRINDING OF RAILROAD CROSSING AND MAIN LINE TRACK				
1013/66/US/02 United States of America	PFP	10/320,755 16-Dec-2002	19-Jun-2003	6,823,614 30-Nov-2004	Granted 18-Feb-2023	
	<b>Owner Name:</b>	Loram Maintenance of Way, Inc.		<b>Attorney(s):</b>	JHP	
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	SNOW REMOVAL APPARATUS				
1013/68/US/01 United States of America	ORD	10/365,565 12-Feb-2003		6,769,365 03-Aug-2004	Granted 12-Feb-2023	
	<b>Owner Name:</b>			<b>Attorney(s):</b>	JHP	
	<b>Client:</b>	Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
	<b>Agent Name:</b>			<b>Agent Ref:</b>		
	<b>Title:</b>	SYSTEM AND METHOD FOR ON SITE MAINTENANCE OF RAILCAR WHEELS				

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1013/73/CA/WO Canada	PCT	2,577,357 22-Aug-2005	02-Mar-2006	2,577,357 18-Oct-2011	Granted 22-Aug-2025	19-Feb-2007
<p><b>Owner Name:</b> <i>Attorney(s):</i> JHP LLP</p> <p><b>Client:</b> Loram Maintenance of Way, Inc. <i>Client Ref:</i></p> <p><b>Agent Name:</b> MacPherson Leslie &amp; Tyerman LLP (MLT) <i>Agent Ref:</i> 042907-0003</p> <p><b>Title:</b> LONG RAIL PICK-UP AND DELIVERY SYSTEM</p>						
1013/73/CN/WO China (People's Republic)	PCT	200580034272.2 22-Aug-2005	CN101035950A 12-Sep-2007	ZL200580034273.2 06-Mar-2013	Granted 22-Aug-2025	03-Apr-2007
<p><b>Owner Name:</b> <i>Attorney(s):</i> JHP LLP</p> <p><b>Client:</b> Loram Maintenance of Way, Inc. <i>Client Ref:</i></p> <p><b>Agent Name:</b> Rich IP &amp; Co. <i>Agent Ref:</i> LMWI-00903CN-PCT</p> <p><b>Title:</b> LONG RAIL PICK-UP AND DELIVERY SYSTEM</p>						
1013/73/EP/WO European Patent Convention	PCT	05793763.3 22-Aug-2005	1799909 27-Jun-2007		Published	20-Mar-2007
<p><b>Owner Name:</b> <i>Attorney(s):</i> JHP LLP</p> <p><b>Client:</b> Loram Maintenance of Way, Inc. <i>Client Ref:</i></p> <p><b>Agent Name:</b> Kilburn &amp; Strode LLP <i>Agent Ref:</i> P42723EP</p> <p><b>Title:</b> LONG RAIL PICK-UP AND DELIVERY SYSTEM</p>						
1013/73/US/02 United States of America	PFP	11/209,188 22-Aug-2005	20060102042 18-May-2006	7,350,467 01-Apr-2008	Granted 23-Sep-2025	
<p><b>Owner Name:</b> <i>Attorney(s):</i> JHP</p> <p><b>Client:</b> Loram Maintenance of Way, Inc. <i>Client Ref:</i></p> <p><b>Agent Name:</b> <i>Agent Ref:</i></p> <p><b>Title:</b> LONG RAIL PICK-UP AND DELIVERY SYSTEM</p>						

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
1013/73/US/03 United States of America	CON	12/053,981 24-Mar-2008	20080163781 10-Jul-2008	7,895,950 01-Mar-2011	Granted 22-Aug-2025	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> LONG RAIL PICK-UP AND DELIVERY SYSTEM				
1013/77/EP/WO European Patent Convention	PCT	09845040.6 05-Aug-2009	2432935 28-Mar-2012		Published	24-Nov-2011
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP JPH LLP		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b> Kilburn & Strode LLP		<b>Agent Ref:</b> P53609EP-K		
		<b>Title:</b> ROTARY UNDERCUTTER FOR RAIL LINE MAINTENANCE				
1013/77/US/02 United States of America	PFP	12/535,425 04-Aug-2009	20100293819 25-Nov-2010	7,845,098 07-Dec-2010	Granted 04-Aug-2029	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP JPH		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> ROTARY UNDERCUTTER FOR RAIL LINE MAINTENANCE				
1013/77/US/03 United States of America	CON	12/961,113 06-Dec-2010	20110072692 31-Mar-2011	7,987,620 02-Aug-2011	Granted 04-Aug-2029	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP JPH		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> ROTARY UNDERCUTTER FOR RAIL LINE MAINTENANCE				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
1013/82/US/01 United States of America	ORD	10/894,198 19-Jul-2004		6,953,386 11-Oct-2005	Granted 19-Jul-2024	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> ACTIVE SPARK CONTROL				
1013/83/US/01 United States of America	ORD	10/980,409 03-Nov-2004		6,981,907 03-Jan-2006	Granted 03-Nov-2024	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> HIGH ANGLE GRINDER				
1013/89/WO/01 Patent Cooperation Treaty	ORD	PCT/US2013/022229 18-Jan-2013	2013109945 25-Jul-2013		Published	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP JPH LLP		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> METHOD AND APPARATUS FOR MILLING OF RAILROAD TRACK				
1013/89/US/02 United States of America	PPF	13/745,430 18-Jan-2013	20130189045 25-Jul-2013		Published	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JHP JPH		
		<b>Client:</b> Loram Maintenance of Way, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> METHOD AND APPARATUS FOR MILLING OF RAILROAD TRACK				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
1013/94/US/01 United States of America	ORD				Unfiled	
	<b>Owner Name:</b>				<b>Attorney(s):</b> JHP JPH	
	<b>Client:</b>	Loram Maintenance of Way, Inc.			<b>Client Ref:</b>	
	<b>Agent Name:</b>				<b>Agent Ref:</b>	
	<b>Title:</b>	METHOD AND APPARATUS FOR LUBRICATING RAIL				
1013/95/US/01 United States of America	DES	29/449,798 15-Mar-2013			Pending	
	<b>Owner Name:</b>				<b>Attorney(s):</b> JHP JPH	
	<b>Client:</b>	Loram Maintenance of Way, Inc.			<b>Client Ref:</b>	
	<b>Agent Name:</b>				<b>Agent Ref:</b>	
	<b>Title:</b>	RAIL LUBRICATION BAR				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
4501/03/AU/WO Australia	PCT	31106/99 22-Mar-1999		737193 22-Nov-2001	Granted 22-Mar-2019	28-Sep-2000
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Collison & Co.			<b>Agent Ref:</b> 52311 GEH		
	<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD					
4501/03/BR/WO Brazil	PCT	PI9909035-0 22-Mar-1999		PI9909035-0 15-Aug-2006	Granted 22-Mar-2019	22-Sep-2000
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Dannemann Siemsen Bigler & *			<b>Agent Ref:</b> P106429		
	<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD					
4501/03/CA/WO Canada	PCT	2,325,520 22-Mar-1999	30-Sep-1999	2,325,520 09-Jun-2009	Granted 22-Mar-2019	21-Sep-2000
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Riches, McKenzie & Herbert			<b>Agent Ref:</b> P163200		
	<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD					
4501/03/CA/WO02 Canada	DIV	2,653,499 22-Mar-1999	30-Sep-1999	2,653,499 03-Jan-2012	Granted 22-Mar-2019	06-Feb-2009
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Riches, McKenzie & Herbert			<b>Agent Ref:</b> P7909		
	<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD					

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
4501/03/FR/WOEP France	EPP	99912818.4 22-Mar-1999	1071599 31-Jan-2001	1071599 08-Sep-2004	Granted 22-Mar-2019	BES
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b> Bromhead Johnson		<b>Agent Ref:</b>		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD				
4501/03/DE/WOEP Germany	EPP	99912818.4 22-Mar-1999	1071599 31-Jan-2001	1071599 08-Sep-2004	Granted 22-Mar-2019	BES
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b> Bromhead Johnson		<b>Agent Ref:</b>		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD				
4501/03/ZA/WO South Africa	PCT	2000/4962 22-Mar-1999		2000/4962 25-Jul-2001	Granted 22-Mar-2019	18-Sep-2000
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		BES
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b> Spoor and Fisher		<b>Agent Ref:</b> PA129536/ZA		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD				
4501/03/GB/WOEP United Kingdom	EPP	99912818.4 22-Mar-1999	1071599 31-Jan-2001	1071599 08-Sep-2004	Granted 22-Mar-2019	BES
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b> Bromhead Johnson		<b>Agent Ref:</b>		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD				



Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
4501/03/US/01 United States of America	ORD	09/046,195 23-Mar-1998		6,076,637 20-Jun-2000	Granted 23-Mar-2018	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD				
4501/03/US/02 United States of America	DIV	09/594,970 15-Jun-2000		6,170,610 09-Jan-2001	Granted 23-Mar-2018	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL RESPONSIVE TO BRAKE APPLICATION				
4501/03/US/03 United States of America	CON	09/595,261 15-Jun-2000		6,199,661 13-Mar-2001	Granted 23-Mar-2018	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> TOP-OF-RAIL LUBRICATION RATE CONTROL BY THE HYDRAULIC PULSE WIDTH MODULATION METHOD				
4501/04/US/01 United States of America	ORD	10/679,009 03-Oct-2003	20050072252 07-Apr-2005	7,216,558 15-May-2007	Granted 18-Jun-2024	
		<b>Owner Name:</b>		<b>Attorney(s):</b> JPH		
		<b>Client:</b> Tranergy, Inc.		<b>Client Ref:</b>		
		<b>Agent Name:</b>		<b>Agent Ref:</b>		
		<b>Title:</b> WHEEL SENSOR ASSEMBLY FOR RAIL BASE MOUNTING				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
4501/04/US/02 United States of America	CON	11/744,567 04-May-2007	20070204705 06-Sep-2007	7,717,004 18-May-2010	Granted 16-Mar-2024	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b>			<b>Agent Ref:</b>	
		<b>Title:</b> WHEEL SENSOR ASSEMBLY FOR RAIL BASE MOUNTING				
4501/05/AU/01 Australia	ORD	2006200213 18-Jan-2006	25-Aug-2011	2006200213 08-Dec-2011	Granted 18-Jan-2026	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	BES
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b> Spruson & Ferguson			<b>Agent Ref:</b> 749376	
		<b>Title:</b> GAGE SIDE OR FIELD SIDE TOP-OF-RAIL PLUS GAGE CORNER LUBRICATION SYSTEM				
4501/05/CA/01 Canada	ORD	2,533,982 06-Jan-2006	24-Jul-2006	2,533,982 11-Jun-2013	Granted 06-Jan-2026	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	BES
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b> Dennison Associates			<b>Agent Ref:</b> WH- 12844 CA	
		<b>Title:</b> GAGE SIDE OR FIELD SIDE TOP-OF-RAIL PLUS GAGE CORNER LUBRICATION SYSTEM				
4501/05/US/01 United States of America	ORD	11/042,302 24-Jan-2005	20060163004 27-Jul-2006	7,735,607 15-Jun-2010	Granted 05-Dec-2027	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b>			<b>Agent Ref:</b>	
		<b>Title:</b> GAGE SIDE OR FIELD SIDE TOP-OF-RAIL PLUS GAGE CORNER LUBRICATION SYSTEM				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
4501/06/AU/01 Australia	ORD	69828/98 02-Jun-1998		739836 31-Jan-2002	Granted 02-Jun-2018	
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Collison & Co.			<b>Agent Ref:</b> 49036 GEH		
	<b>Title:</b> ON BOARD LUBRICATION SYSTEMS FOR LUBRICATING TOP OF RAIL FOR CARS & RAIL GAGE SIDE/WHEEL FLANGE FOR LOCOMOTIVES					
4501/06/CA/01 Canada	ORD	2,235,640 23-Apr-1998	05-Dec-1998	2,235,640 23-Nov-2004	Granted 23-Apr-2018	
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Riches, McKenzie & Herbert			<b>Agent Ref:</b> P50398		
	<b>Title:</b> ON BOARD LUBRICATION SYSTEMS FOR LUBRICATING TOP OF RAIL FOR CARS & RAIL GAGE SIDE/WHEEL FLANGE FOR LOCOMOTIVES					
4501/06/IN/01 India	ORD	1201/MAS/1998 03-Jun-1998		217227 26-Mar-2008	Granted 03-Jun-2018	
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> De Penning & De Penning			<b>Agent Ref:</b> RRN/ak		
	<b>Title:</b> ON BOARD LUBRICATION SYSTEMS FOR LUBRICATING TOP OF RAIL FOR CARS & RAIL GAGE SIDE/WHEEL FLANGE FOR LOCOMOTIVES					
4501/06/ZA/01 South Africa	ORD	98/3768 05-May-1998		98/3768 28-Apr-1999	Granted 05-May-2018	
	<b>Owner Name:</b>			<b>Attorney(s):</b> JPH		BES
	<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>		
	<b>Agent Name:</b> Spoor and Fisher			<b>Agent Ref:</b> PA116781/ZA		
	<b>Title:</b> ON BOARD LUBRICATION SYSTEMS FOR LUBRICATING TOP OF RAIL FOR CARS & RAIL GAGE SIDE/WHEEL FLANGE FOR LOCOMOTIVES					

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4501/06/US/01 United States of America	ORD	08/870,047 05-Jun-1997		5,896,947 27-Apr-1999	Granted 05-Jun-2017	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b>			<b>Agent Ref:</b>	
		<b>Title:</b> ON BOARD LUBRICATION SYSTEMS FOR LUBRICATING TOP OF RAIL FOR CARS & RAIL GAGE SIDE/WHEEL FLANGE FOR LOCOMOTIVES				
4501/08/US/01 United States of America	ORD	08/212,768 15-Mar-1994		5,477,941 26-Dec-1995	Granted 15-Mar-2014	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b>			<b>Agent Ref:</b>	
		<b>Title:</b> ON-BOARD LUBRICATION SYSTEM FOR DIRECT APPLICATION TO CURVED AND TANGENT RAILROAD TRACK				
4501/09/US/02 United States of America	PFP	11/744,058 03-May-2007	20070256998 08-Nov-2007	7,694,833 13-Apr-2010	Granted 03-Aug-2027	
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b>			<b>Agent Ref:</b>	
		<b>Title:</b> FRICTION MODIFIER APPLICATOR SYSTEM FOR TRAVELING CRANES				
4501/10/CA/WO Canada	PCT	2,375,907 21-May-2001	06-Dec-2001	2,375,907 13-Apr-2010	Granted 21-May-2021	24-Jan-2002
		<b>Owner Name:</b>			<b>Attorney(s):</b> JPH	BES
		<b>Client:</b> Tranergy, Inc.			<b>Client Ref:</b>	
		<b>Agent Name:</b> Riches, McKenzie & Herbert			<b>Agent Ref:</b> P2702	
		<b>Title:</b> WAYSIDE WHEEL LUBRICATOR				

Client/Matter/Country/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date	PCT Nat. Phase Date
4501/10/US/01 United States of America	ORD	09/583,308 30-May-2000		6,585,085 01-Jul-2003	Granted 30-May-2020	
<i>Owner Name:</i>				<i>Attorney(s):</i> JPH		
<i>Client:</i> Tranergy, Inc.				<i>Client Ref:</i>		
<i>Agent Name:</i>				<i>Agent Ref:</i>		
<i>Title:</i> WAYSIDE WHEEL LUBRICATOR						
4501/11/CA/WO Canada	PCT	2,527,699 20-May-2004		2,527,699 28-Feb-2012	Granted 20-May-2024	29-Nov-2005
<i>Owner Name:</i>				<i>Attorney(s):</i> JPH		
<i>Client:</i> Tranergy, Inc.				<i>Client Ref:</i>		
<i>Agent Name:</i> Dennison Associates				<i>Agent Ref:</i> WH-12828 CA		
<i>Title:</i> RAILROAD SWITCH LUBRICATOR						
4501/11/US/01 United States of America	ORD	10/447,635 29-May-2003	20040238281 02-Dec-2004	7,513,335 07-Apr-2009	Granted 29-May-2023	
<i>Owner Name:</i>				<i>Attorney(s):</i> JPH		
<i>Client:</i> Tranergy, Inc.				<i>Client Ref:</i>		
<i>Agent Name:</i>				<i>Agent Ref:</i>		
<i>Title:</i> RAILROAD SWITCH LUBRICATOR						
4501/15/US/01P1 United States of America	PRO				Unfiled	
<i>Owner Name:</i>				<i>Attorney(s):</i> JPH		
<i>Client:</i> Tranergy, Inc.				<i>Client Ref:</i>		
<i>Agent Name:</i>				<i>Agent Ref:</i>		
<i>Title:</i> RAIL LUBRICATOR						