

TECHNICAL BULLETIN **TRAILER SUSPENSION SYSTEMS**

SUBJECT: Product Patent Information

LIT NO: T19002

DATE: October 2024

REVISION: U

As of the above referenced literature date, the following articles are covered by one or more of the following U.S. and/or foreign patents. Updates are available at www.hendrickson-intl.com/patents.

COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAX®	SLIDERS ²	HSDS® & CONNEX®
AT	2346704					X		
AT	2525989							X
AT	2598348					X		
AT	2614270	X	X				X	X
AT	2720889	X	X				X	X
AT	2945812		X				X	X
AT	3168065					X		
AU	2002360652	X	X					X
AU	2002361685	X	X		X		X	X
AU	2003243658		X	X			X	X
AU	2004220148		X	X		X	X	X
AU	2006220724		X	X				
AU	2006287900		X	X			X	X
AU	2006302001		X	X			X	
AU	2009246216		X	X		X	X	X
AU	2010253827		X	X			X	X
AU	2011205667							X
AU	2011224409		X				X	
AU	2011282541					X		
AU	2011283659					X		
AU	2011299113	X	X				X	X
AU	2011332044	X			X			X
AU	2012211177	X	X					X
AU	2012225283		X	X			X	X
AU	2012255801	X	X				X	X
AU	2012296445					X		
AU	2013206447		X	X			X	X
AU	2013315117	X						X
AU	2013353462			X				X
AU	2014207386	X	X				X	
AU	2014207798	X	X				X	
AU	2014223641		X	X			X	X
AU	2014262296					X		
AU	2014287027			X			X	
AU	2014290117	X	X	X			X	X
AU	2014293224					X		
AU	2015276964					X		

COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAX®	SLIDERS ²	HSDS® & CONNEX®
AU	2015314909		X	X		X	X	X
AU	2015318005		X	X			X	X
AU	2016235754		X	X				X
AU	2016261625		X				X	
AU	2018256930		X	X		X	X	X
AU	2018271957		X					
AU	2018272826		X	X			X	
AU	2018316690						X	
AU	2018318011						X	
AU	2018318938						X	
AU	2019327403		X	X			X	X
BE	1599349		X	X		X	X	X
BE	1934496		X	X			X	
BE	2525989							X
BE	2598347					X		
BE	2614270	X	X				X	X
BE	2720889						X	
BR	BR1120120207520		X					X
BR	BR1120120324195						X	
BR	BR1120130009535						X	
BR	BR1120130053186	X	X				X	X
BR	BR1120130185821	X	X				X	X
BR	BR1120130226650		X	X			X	X
BR	BR1120130296224	X	X				X	X
BR	BR1120140020043					X		
BR	BR1120150116779			X				X
BR	BR1120150165311		X				X	
BR	BR1120160008081	X	X	X			X	X
BR	BR1120160254589		X	X			X	
BR	BR1120170195011	X	X					X
BR	BR1120170213885		X				X	
BR	PI02143380	X	X		X		X	X
BR	PI02144980	X	X					X
BR	PI0311203-9		X	X			X	X
BR	PI0405231-5		X	X		X	X	X
BR	PI06147690		X	X			X	
BR	PI06154352		X	X			X	X

¹ www.wipo.int/export/sites/www/pct/en/list_states.pdf

² Sliders include K-2®, INTRAAX®-SP, VANTRAAX® and ULTRA-K®



COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAAX®	SLIDERS ²	HSDS® & CONNEX®
BR	PI06083668		X	X				
BR	PI0911181		X	X		X	X	X
BR	PI10144668		X	X			X	X
CA	2351638					X		
CA	2379612						X	
CA	2437947		X	X		X	X	X
CA	2443827		X	X			X	X
CA	2467651	X	X		X		X	X
CA	2467792	X	X					X
CA	2468138	X	X				X	
CA	2485211		X	X		X	X	X
CA	2485219		X	X			X	X
CA	2599515		X	X				
CA	2614707		X	X			X	
CA	2614748		X	X			X	X
CA	2724001		X	X		X	X	X
CA	2763771		X	X			X	X
CA	2785756					X		
CA	2785811		X				X	
CA	2805057							X
CA	2805060					X		
CA	2811057	X	X				X	X
CA	2817566	X			X			X
CA	2824450	X	X					X
CA	2829086		X	X			X	X
CA	2834406	X	X				X	X
CA	2835223						X	
CA	2836136						X	
CA	2844503					X		
CA	2856735						X	
CA	2862695						X	
CA	2863965						X	
CA	2884716	X						X
CA	2890746			X				X
CA	2897774		X				X	X
CA	2897840	X	X				X	
CA	2899799		X	X			X	X
CA	2910519	X	X	X			X	X
CA	2914031			X			X	
CA	2914032	X	X	X			X	X
CA	2914035					X		
CA	2952860		X	X			X	
CA	2957894		X	X		X	X	X
CA	2957982		X	X			X	X
CA	2980464	X	X					X
CA	2985744		X				X	X
CA	3005659						X	
CA	3013096		X	X			X	
CA	3056935		X	X		X	X	X
CA	3061911		X					
CA	3061977		X	X			X	
CA	3066229						X	
CA	3066281						X	
CA	3068073						X	
CA	3068224						X	
CA	3113430					X		
CA	3134236					X		
CL	56.658			X				X

COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAAX®	SLIDERS ²	HSDS® & CONNEX®
CN	ZL 200980117738.3		X	X		X	X	X
CN	ZL 201380061451.X			X				X
CN	ZL 201680016623.5	X	X					X
CN	ZL 201710894017.X					X		
CN	ZL201080021948.5		X	X			X	X
CN	ZL201180006323.6							X
CN	ZL201180035566.2					X		
CN	ZL201180035659.5					X		
CN	ZL201180043221.1	X	X				X	X
CN	ZL201180056007.X	X			X			X
CN	ZL201280006037.4	X	X					X
CN	ZL201280012760.3	X	X				X	X
CN	ZL201280023343.9	X	X				X	X
CN	ZL201280040028.7					X		
CN	ZL201480004845.6	X	X				X	X
CN	ZL201480004846.0	X	X				X	
CN	ZL201480010528.5	X	X				X	X
CN	ZL201480033698.5			X			X	
CN	ZL 201580048619.2		X	X		X	X	X
CN	ZL201610056771.1					X		
CN	ZL201680025921.0		X				X	
CN	ZL201880028015.5		X	X		X	X	X
DE	2525989							X
DE	2598347					X		
DE	2614270	X	X				X	X
DE	2962018		X	X			X	X
DE	60201750.5		X	X		X	X	X
DE	60233522.1	X	X		X		X	X
DE	60240032.5	X	X					X
DE	60328493		X	X			X	X
DE	112013005661.0			X				X
DE	602004042816.7		X	X		X	X	X
DE	602006010587.8		X	X			X	
DE	602006023840.1		X	X				
DE	602006041119.7		X	X			X	X
DE	602009004572.5		X	X		X	X	X
DE	602009033712.2					X		
DE	602010017349.6		X	X			X	X
DE	602010027826.3		X	X			X	X
DE	602011036043.4					X		
DE	602011049156.3					X		
DE	602014072925.8		X				X	X
DE	602015072023.7		X	X		X	X	X
DE	602012052377.8						X	
EP	1456044	X	X		X		X	X
EP	1466107		X	X				X
EP	1516132		X	X			X	X
EP	1599349		X	X		X	X	X
EP	1853438		X	X				
EP	1919718		X	X			X	X
EP	1919719		X	X			X	X
EP	1934496		X	X			X	
EP	2285601		X	X		X	X	X
EP	2346704					X		
EP	2435257		X	X			X	X
EP	2525989							X
EP	2598347					X		
EP	2598348					X		

¹ www.wipo.int/export/sites/www/pct/en/list_states.pdf

² Sliders include K-2®, INTRAAAX®-SP, VANTRAAAX® and ULTRAA-K®



PRODUCT PATENT INFORMATION

COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAAX®	SLIDERS ²	HSDS® & CONNEX®
EP	2617583		X	X			X	X
EP	2720889						X	
EP	2945811	X	X				X	
EP	2945812		X				X	X
EP	2962018		X	X			X	X
EP	3168065					X		
EP	3191319		X	X		X	X	X
EP	3194802		X	X			X	X
EP	3668731						X	
EP	EPI385707		X	X		X	X	X
ES	1599349		X	X		X	X	X
ES	2525989							X
ES	2598347					X		
ES	2614270	X	X				X	X
ES	2720889						X	
FR	1516132		X	X			X	X
FR	1599349		X	X		X	X	X
FR	2346704					X		
FR	2525989							X
FR	2598347					X		
FR	2598348					X		
FR	2614270	X	X				X	X
FR	2617583		X	X			X	X
FR	2720889						X	
FR	2945812		X				X	X
FR	3168065					X		
GB	1516132		X	X			X	X
GB	1599349		X	X		X	X	X
GB	1934496		X	X			X	
GB	2285601		X	X		X	X	X
GB	2346704					X		
GB	2435257		X	X			X	X
GB	2525989							X
GB	2598347					X		
GB	2598348					X		
GB	2614270	X	X				X	X
GB	2617583		X	X			X	X
GB	2720889						X	
GB	2945812		X				X	X
GB	2962018		X	X			X	X
GB	3168065					X		
GB	3194802		X	X			X	X
IN	336894		X				X	X
IN	341372							X
IN	346019					X		
IN	355721					X		
IN	355885	X	X				X	
IN	385516	X	X				X	X
IN	386906	X	X	X			X	X
IN	389204	X						X
IN	405861			X			X	
IR	1599349		X	X		X	X	X
IT	1599349		X	X		X	X	X
IT	2525989							X
IT	2598347					X		
IT	2614270	X	X				X	X
IT	2720889						X	

COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAAX®	SLIDERS ²	HSDS® & CONNEX®
JP	6284210			X				
KR	10-1645217			X				X
KR	10-1996668			X				X
MX	227935		X					
MX	230788							X
MX	231160					X		
MX	234873	X	X					X
MX	243519		X	X		X	X	X
MX	246539	X	X		X			X
MX	246540	X	X					X
MX	248384		X	X				X
MX	249802	X	X					X
MX	251415		X	X				X
MX	259900		X	X		X	X	X
MX	272249							X
MX	283871		X	X				
MX	286867		X	X				X
MX	291417		X	X				X
MX	319123		X	X		X	X	X
MX	323813							X
MX	325710		X	X				X
MX	329915					X		
MX	330568					X		
MX	332797	X	X					X
MX	333335	X			X			X
MX	333407	X	X					X
MX	334435		X					X
MX	335086		X	X				X
MX	335473					X		
MX	336249							X
MX	337974							X
MX	343767	X	X					X
MX	345637							X
MX	345694							X
MX	347206							X
MX	353049					X		
MX	360771	X	X					X
MX	361519		X	X				X
MX	365070	X	X	X				X
MX	366019			X				X
MX	366599					X		
MX	366648			X				
MX	366834	X	X	X				X
MX	367207	X						X
MX	367311		X					X
MX	381710		X	X				X
MX	386368		X	X		X	X	X
MX	406787	X	X		X	X	X	
MX	410181					X		X
NL	1516132		X	X				X
NL	1599349		X	X		X	X	X
NL	2285601		X	X		X	X	X
NL	2435257		X	X				X
NL	2525989							X
NL	2598347					X		
NL	2598348					X		
NL	2614270	X	X					X

¹ www.wipo.int/export/sites/www/pct/en/list_states.pdf

² Sliders include K-2®, INTRAAX®-SP, VANTRAAX® and ULTRAA-K®

PRODUCT PATENT INFORMATION



COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAAX®	SLIDERS ²	HSDS® & CONNEX®
NL	2617583		X	X			X	X
NL	2720889						X	
NL	2945812		X				X	X
NL	3168065					X		
NZ	527792		X	X		X	X	X
NZ	532681	X	X		X		X	X
NZ	533264	X	X				X	
NZ	536263		X	X		X	X	X
NZ	566437		X	X			X	
NZ	595447		X	X			X	X
NZ	600728							X
NZ	603710					X		
NZ	603711	X	X					X
NZ	606896	X	X				X	X
NZ	611634	X	X					X
NZ	616958	X	X				X	X
NZ	620320					X		
NZ	701870					X		
NZ	708974	X	X				X	
NZ	710113		X	X			X	X
NZ	713847	X	X	X			X	X
NZ	723224			X				X
NZ	724714	X	X	X			X	X
NZ	735508		X				X	
NZ	750049		X				X	
SE	1456044	X	X		X		X	X
SE	1516132		X	X			X	X
SE	1599349		X	X		X	X	X
SE	1919719		X	X			X	X
SE	1934496		X	X			X	
SE	2285601		X	X		X	X	X
SE	2346704					X		
SE	2435257		X	X			X	X
SE	2525989							X
SE	2598347					X		
SE	2598348					X		
SE	2614270	X	X				X	X
SE	2617583		X	X			X	X
SE	2720889						X	
SE	2945812		X				X	X
SE	3168065					X		
TH	76164	X	X	X			X	X
TH	78236					X		
TH	79078			X			X	
TH	79213					X		
TR	2525989							X
TR	2598348					X		
TR	2614270	X	X				X	X
TR	2720889						X	
TR	3168065					X		
TR	2020/21309		X				X	X
TR	TR201000853T4		X	X			X	
TR	TR201312038T4		X	X		X	X	X
TR	TR201515402T4					X		
US	7273082		X	X		X	X	X
US	7401490		X	X				
US	7506940		X	X			X	X
US	7537224		X	X			X	

COUNTRY ¹	PATENT NUMBER	HT™ SERIES	INTRAAAX®	TRLAXLE®	UNDER BEAM LIFT™	TIREMAAX®	SLIDERS ²	HSDS® & CONNEX®
US	7731300		X	X			X	X
US	8016531		X	X			X	X
US	8235422	X	X					X
US	8292313							X
US	8419029		X				X	
US	8459666	X			X			X
US	8496259						X	
US	8505600		X	X		X	X	X
US	8523191						X	
US	8528611					X		
US	8534770		X	X			X	X
US	8540222	X	X				X	X
US	8695998				X		X	
US	8689445		X	X			X	X
US	8764036	X	X					X
US	8764038	X						X
US	8800728		X	X			X	X
US	8801013						X	
US	8844955			X				X
US	8844956	X	X				X	
US	8851492	X	X				X	
US	8870198				X		X	
US	8925574					X		
US	8973633					X		
US	9108683						X	
US	9132704					X		
US	9157529	X	X				X	X
US	9327571			X			X	
US	9327766						X	
US	9428233				X		X	
US	9434216					X		
US	9506515	X	X	X			X	X
US	9637189				X		X	
US	9738131	X	X				X	X
US	9827820	X	X					X
US	9879738	X	X	X			X	X
US	9890825	X	X	X			X	X
US	9914326		X	X			X	X
US	9933029			X				
US	9933337		X	X		X	X	X
US	10017020						X	
US	10047813		X	X			X	
US	10137749		X				X	
US	10160268					X		
US	10308088						X	
US	10508894	X	X				X	X
US	10703155						X	
US	10759245						X	
US	10780874						X	
US	10851860		X	X			X	
US	10882354		X					
US	11131355		X	X			X	
US	11192407					X		
US	11535068		X	X		X	X	X
US	11707949					X		
US	D814.275			X				
ZA	2012/04448							X
ZA	2016/07147			X				

¹ www.wipo.int/export/sites/www/pct/en/list_states.pdf

² Sliders include K-2®, INTRAAAX®-SP, VANTRAAAX® and ULTRAA-K®



¹ www.wipo.int/export/sites/www/pct/en/list_states.pdf

² Sliders include K-2[®], INTRAAX[®]-SP, VANTRAAX[®] and ULTRAA-K[®]

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

Call Hendrickson at 866.RIDEAIR (743.3247) for additional information.



www.hendrickson-intl.com

TRAILER COMMERCIAL VEHICLE SYSTEMS

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T19002 Rev U 10-24 CN045160 Rev T 06-24 CN044183 Rev S 11-23 CN042963 Rev R 07-23 CN041941 Rev Q 02-23 CN041028 Rev P 06-22 CN039354

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