

Title	Country	Status	Application Number	Patent Number	Filing Date
//HUB ASSEMBLY HAVING A CLUTCH RING TRAVEL LIMITER	KR	GRANTED	10-2005-0122957	10-1191291	12/14/2005
//HUB ASSEMBLY HAVING A CLUTCH RING TRAVEL LIMITER	US	GRANTED	11/013105	7143883	12/15/2004
//VACUUM LOCKING HUB CARTRIDGE FOR FOUR WHEEL DRIVE VEHICLE	US	GRANTED	10/745241	7000750	12/22/2003
//VACUUM ACTUATED WHEEL HUB	US	GRANTED	10/842019	7055667	05/07/2004
//WHEEL END DISCONNECT SYSTEM AND A VEHICLE USING THE SAME	KR	GRANTED	1020050036791	10-0847567-0000	05/02/2005
//FOUR-WHEEL DRIVE CENTER DISCONNECT ELECTRIC ACTUATOR	KR	GRANTED	10-2006-0030721	10-1147668	04/04/2006
//FOUR-WHEEL DRIVE CENTER DISCONNECT ELECTRIC ACTUATOR	US	GRANTED	11/150575	7316304	06/10/2005
//FOUR-WHEEL DRIVE CENTER DISCONNECT ELECTRIC ACTUATOR	JP	GRANTED	2008-148085	5529396	06/05/2008
//FOUR-WHEEL DRIVE CENTER DISCONNECT ELECTRIC ACTUATOR	US	GRANTED	11/760817	7793767	06/11/2007
//COMPACT PULSE VACUUM LIVE SPINDLE HUB LOCK	CN	GRANTED	201410059242.8	ZL201410059242.8	02/21/2014
//COMPACT PULSE VACUUM LIVE SPINDLE HUB LOCK	KR	GRANTED	10-2014-0023910	10-1604181	02/28/2014
//COMPACT PULSE VACUUM LIVE SPINDLE HUB LOCK	US	GRANTED	14/156774	9091307	01/16/2014
//INTEGRATED WHEEL END SHIFT					

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	US	GRANTED	13/958042	9205738	08/02/2013
//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS					
	CN	GRANTED	201510182082.0	201510182082.0	04/16/2015
//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS					
	KR	GRANTED	10-2015-0052419	10-1699734	04/14/2015
//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS					
	US	GRANTED	14/678245	9656548	04/03/2015
//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS					
	US	GRANTED	15/488255	10228026	04/14/2017
// COIL UNIT					
	US	GRANTED	29/671846	D963719	11/30/2018
//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS					
	US	GRANTED	16/247376	10801553	01/14/2019
//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS					
	US	GRANTED	16/584507	10724580	09/26/2019
//ELECTROMAGNETIC PULSE DISCONNECT SYSTEM AND METHODS					
	CN	GRANTED	201510194522.4	ZL201510194522.4	04/22/2015
//ELECTROMAGNETIC PULSE DISCONNECT SYSTEM AND METHODS					
	KR	GRANTED	10-2015-0057003	10-1697124	04/23/2015
//ELECTROMAGNETIC PULSE DISCONNECT SYSTEM AND METHODS					
	US	GRANTED	14/686057	9915298	04/14/2015
//ELECTROMAGNETIC PULSE DISCONNECT SYSTEM AND METHODS					
	US	GRANTED	15/668875	10221900	08/04/2017

//ELECTROMAGNETIC PULSE DISCONNECT SYSTEM AND METHODS	US	GRANTED	15/668889	10731715	08/04/2017
//ELECTROMAGNETIC COIL SYSTEM AND METHODS	US	GRANTED	14/845167	9812238	09/03/2015
//ELECTROMAGNETIC COIL SYSTEM AND METHODS	US	GRANTED	15/685300	10535458	08/24/2017
//LOCKING HUB SYSTEM	US	GRANTED	14/479117	9382951	09/05/2014
//FOUR-WHEEL DRIVE VEHICLE CONTROL SYSTEM AND METHODS	US	GRANTED	15/419611	10144284	01/30/2017
//ELECTRIC HUB LOCK WITH MANUAL OVERRIDE	US	GRANTED	16/014709	10844913	06/21/2018
//DIFFERENTIAL LOCK ASSEMBLY	US	GRANTED	16/280853	11105406	02/20/2019
//GAS-ACTUATED STABILIZER BAR SHAFT DECOUPLER	US	GRANTED	16/258354	11097590	01/25/2019
//COMPACT ELECTROMAGNETIC PULSE DISCONNECT SYSTEM	CN	GRANTED	201911206560.1	ZL201911206560.1	11/29/2019
//COMPACT ELECTROMAGNETIC PULSE DISCONNECT SYSTEM	US	GRANTED	16/206791	10955013	11/30/2018
//COIL UNIT	CN	GRANTED	201930275427.6	201930275427.6	05/30/2019
//LATCH RING	CN	GRANTED	201930275417.2	201930275417.2	05/30/2019
//CAM FOLLOWER	CN	GRANTED	201930275415.3	201930275415.3	05/30/2019
//GROOVED GUIDE CAGE	CN	GRANTED	201930275949.6	201930275949.6	05/30/2019
//ARMATURE CAM	CN	GRANTED	201930275426.1	201930275426.1	05/30/2019
//MOTORIZED DISCONNECT ASSEMBLY	US	GRANTED	29/715477	D971089	12/02/2019
//MOTORIZED DISCONNECT ASSEMBLY	US	GRANTED	29/715469	D971088	12/02/2019
//EV DISCONNECT CONTROL	US	PENDING	17/401562		08/13/2021

//MOTORIZED DISCONNECT SYSTEM AND OPERATION METHODS	DE	PENDING	102015206748.3	04/15/2015
//ELECTROMAGNETIC PULSE DISCONNECT SYSTEM AND METHODS	DE	PENDING	102015207435.8	04/23/2015
//ELECTROMAGNETIC COIL SYSTEM AND METHODS	DE	PENDING	102016216635.2	09/02/2016
//ELECTROMAGNETIC COIL SYSTEM AND METHODS	KR	PENDING	10-2016-0104293	08/17/2016
//LOCKING HUB SYSTEM	CA	PENDING	2903393	09/03/2015
//DIFFERENTIAL LOCK ASSEMBLY	CN	PENDING	201980027313.7	02/21/2019
//DIFFERENTIAL LOCK ASSEMBLY	EP	PENDING	19756670.6	02/21/2019
//DIFFERENTIAL LOCK ASSEMBLY	KR	PENDING	10-2020-7027012	02/21/2019
//COMPACT ELECTROMAGNETIC PULSE DISCONNECT SYSTEM	DE	PENDING	102019131387.2	11/21/2019
//COMPACT ELECTROMAGNETIC PULSE DISCONNECT SYSTEM	KR	PENDING	10-2019-0151070	11/22/2019
//COMPACT ELECTROMAGNETIC PULSE DISCONNECT SYSTEM	US	PENDING	17/087301	11/02/2020
//COMPACT ELECTROMAGNETIC PULSE DISCONNECT SYSTEM	US	PENDING	17/087315	11/02/2020
//HUB CONNECTING DEVICE	CA	PENDING	212218	04/21/2022
//HUB CONNECTING DEVICE	CN	PENDING	202230306245.2	05/23/2022
//HUB CONNECTING DEVICE STEM	CA	PENDING	212219	04/21/2022