

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM636208

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Bendix Spicer Foundation Brake LLC		12/21/2020	Corporation:
RECEIVING PARTY DATA			
Name:	Bendix Commercial Vehicle Systems LLC		
Street Address:	901 Cleveland Street		
City:	Elyria		
State/Country:	OHIO		
Postal Code:	44035		
Entity Type:	Limited Liability Company: DELAWARE		
PROPERTY NUMBERS Total: 7			
Property Type	Number	Word Mark	
Registration Number:	5850680	ADB22X	
Registration Number:	4083572	DI-PRO	
Registration Number:	5703922	ENDURASURE	
Registration Number:	4002379	EVERSURE	
Registration Number:	2984050	HFS	
Registration Number:	5272314	PERMAGUARD	
Registration Number:	4083601	VERSAJUST	
CORRESPONDENCE DATA			
Fax Number:			
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Email:	cheryl.greenly@bendix.com		
Correspondent Name:	Cheryl Greenly		
Address Line 1:	901 Cleveland Street		
Address Line 4:	Elyria, OHIO 44035		
NAME OF SUBMITTER:	Cheryl L. Greenly		
SIGNATURE:	/Cheryl L. Greenly/		
DATE SIGNED:	04/01/2021		

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Total Attachments: 10

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PATENT AND TRADEMARK ASSIGNMENT AGREEMENT

This Patent and Trademark Assignment Agreement ("Agreement") dated as of December 21, 2020, ("Effective Date") is made by and between BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, a Delaware limited liability company ("Assignee"), and BENDIX SPICER FOUNDATION BRAKE LLC, a Delaware limited liability company ("Assignor").

A. Assignor is the owner and registrant of certain trademarks listed in Exhibit A, attached hereto and incorporated herein (the "Trademarks").

B. Assignor is the owner of the issued patents and pending patent applications listed on Exhibit B, attached hereto and incorporated herein, of any Letters Patent(s) therefor, and in any reissue, extensions, renewals, reexaminations of such applications or Letters Patent(s), and in any divisional, continuing, continuation, and continuation-in-part applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue (the "Patents").

C. Assignor is the owner of additional intellectual property, including but not limited to, invention disclosures in process but not yet filed, common law trademarks, trade dress, moral rights and confidential information, including but not limited to, know-how and trade secrets ("Other IP").

D. The parties are subject to that certain Membership Interest Purchase Agreement dated as of October 1, 2020 (the "MIPA"). Assignor has acquired all interest in the Assignee as per the terms of the MIPA.

E. Assignor desires to assign to Assignee, and Assignee desires to accept the assignment of, the Trademarks, Patents and Other IP.

NOW, THEREFORE, Assignee and Assignor hereby agree as follows:

1. Assignment. Assignor hereby transfers, sells, grants, conveys, assigns, and sets over unto Assignee all of Assignor's right, title, benefit, and interest in and to the Trademarks, Patents and Other IP throughout the world, together with the goodwill of the business symbolized by such Trademarks, Patents and Other IP, with full power and authority to exercise and enforce any right in respect of the Trademarks, Patents and Other IP, including but not limited to all trademark rights, patent rights, goodwill, or other intellectual property rights therein or relating thereto and including all causes of action, rights of recovery, and claims for damage or other relief relating, referring, or pertaining to any of the foregoing (collectively, the "Assets"). Assignor further acknowledges that included in the assignment of Trademarks, Patents and Other IP under this Agreement are the rights to bring suit to enforce any of the assigned Trademarks, Patents and Other IP against activities which occurred before the date of this Agreement.

2. Fees. The Assignee shall be responsible for payment of fees payable in respect of the transfer of the Trademarks, Patents and Other IP to Assignee.

3. Further Assurances. Assignor shall from time to time execute and deliver all such further documents and instruments and do all acts and things as Assignee may reasonably require to effectively carry out or better evidence or perfect the full intent and meaning of this Agreement

4. Governing Law. This Agreement is to be governed by, and construed and enforced in accordance with, the laws of the State of Delaware, without giving effect to any choice or conflict of law provision or rule.

5. Counterparts. This Agreement may be executed in any number of counterparts, each of which will be deemed an original and all of which together will constitute one and the same instrument. A signature to this Agreement delivered by facsimile or e-mail with a PDF attachment will be sufficient for all purposes between the Parties.

IN WITNESS WHEREOF, Assignor and Assignee have executed this Agreement as of the Effective Date.

ASSIGNEE:

BENDIX COMMERCIAL VEHICLE SYSTEMS LLC

By: 

Name: D. Russell Hood

Title: Vice President, General Counsel & Secretary

ASSIGNOR:

BENDIX SPICER FOUNDATION BRAKE LLC

By: 

Name: Aaron Schwass

Title: VP CoC Wheel End NA & General Manager

TRADEMARK

REEL: 007241 FRAME: 0463

Patent and Trademark Assignment between Bendix Commercial Vehicle Systems LLC and Bendix Spicer Foundation Brake LLC
EXHIBIT A

Record ID	Trademark Name	Country	Status	Application Date	Application Number	Registration Date	Registration Number
ITM-BSFB-2008-6-US-01	ADB22X	United States of America	Registered	Feb-26-2019	88315970	Sep-03-2019	5850680
ITM-BSFB-2011-1-US-1	DI-PRO (word only)	United States of America	Registered	Jun-01-2011	85/334,738	Jan-10-2012	4,083,572
ITM-BSFB-2017-001-US-01	Endurasure	United States of America	Registered	Mar-27-2017	87386931	Mar-19-2019	5703922
ITM-BSFB-2010-1-US-1	Eversure	United States of America	Registered	Dec-21-2010	85/202,722	Jul-26-2011	4,002,379
TM-DI-2010-3-US-1	HFS	United States of America	Registered	Oct-10-2003	78/312,409	Aug-09-2005	2,984,050
ITM-BSFB-2016-2-US-1	Permaguard	United States of America	Registered	May-13-2016	87035821	Aug-22-2017	5272314
ITM-BSFB-2009-3-US-1	Versajust	United States of America	Registered	Jun-01-2011	85/335,064	Jan-10-2012	4,083,601
TM-BSFB-2009-3-CA-1	Versajust	Canada	Registered	Dec-01-2011	1554492	Nov-25-2013	TMA865,771
TM-BSFB-2009-3-IN-2	Versajust	India	Registered		2618030	Oct-25-2013	2618030
TM-BSFB-KBAG-2009-3-AU-1	Versajust	Australia	Registered	Nov-30-2011	A0027377	Nov-30-2011	1102323
TM-BSFB-KBAG-2009-3-BR-1	Versajust	Brazil	Registered	Dec-01-2011	831273704	Jan-13-2015	831273704
TM-BSFB-KBAG-2009-3-CN-1	Versajust	China	Registered	Nov-30-2011	A0027377	Nov-30-2011	1102323
TM-BSFB-KBAG-2009-3-CO-1	Versajust	Colombia	Pending	Nov-29-2011	11-164230		
TM-BSFB-KBAG-2009-3-JP-1	Versajust	Japan	Registered	Nov-30-2011	A0027377	Nov-30-2011	1102323
TM-BSFB-KBAG-2009-3-RU-01	Versajust	Russian Federation	Not Yet Filed	Nov-30-2011	A0027377	Nov-30-2011	1102323
TM-BSFB-KBAG-2009-3-WO-1	Versajust	World Intellectual Property Org. (WIPO)	Registered	Nov-30-2011	A0027377	Nov-30-2011	1102323

Record ID	Country	Title	Status	National Application Number	National Application Date	Application Date	Application Number	Grant Date	Grant Number
BSFB-2009-1-MX-2	Mexico	Air Disk Brake Caliper Pre-Stressing Method and Pre-Stressed Caliper Apparatus	Granted	MX/a/2011/009834	Sep-20-2011	Mar-09-2010	PCT/US2010/026587	Aug-28-2015	332769
BSFB-2009-1-MX-D-3	Mexico	Air Disk Brake Caliper Pre-Stressing Method and Pre-Stressed Caliper Apparatus	Granted		Jul-18-2014	MX/a/2014/0089725		Oct-22-2018	360073
BSFB-2009-1-US-1	United States of America	Air Disk Brake Caliper Pre-Stressing Method and Pre-Stressed Caliper Apparatus	Granted		Mar-20-2009	12/408321		Apr-24-2012	8161614
BSFB-2009-1-US-D-1	United States of America	Air Disk Brake Caliper Pre-Stressing Method and Pre-Stressed Caliper Apparatus	Granted		Aug-24-2011	13/216301		Nov-05-2013	8573371
BSFB-2009-1-US-D-2	United States of America	Air Disk Brake Caliper Pre-Stressing Method and Pre-Stressed Caliper Apparatus	Granted		Aug-24-2011	13/216303		Apr-16-2013	8423191
BSFB-2009-3-CA-1	Canada	Clamping Cam Tube Support	Granted		Nov-28-2011	2759561		Jan-08-2019	2759561
BSFB-2009-3-MX-1	Mexico	Clamping Cam Tube Support	Granted		Dec-08-2010	12/963165		Sep-26-2014	323922
BSFB-2009-3-US-1	United States of America	NON-THREADED METHOD FOR ASSEMBLING A CENTER HOLE PARKING DIAPHRAGM AND ADAPTER PUSH ROD WITH A CLIP AND WASHER	Granted		Mar-10-2011	2733689		Jan-02-2018	2733689
BSFB-2009-5-CA-1	Canada	Non-Threaded Method for Assembling a Center Hole Parking Diaphragm and Adapter Push Rod with a Clip and Washer	Granted		Mar-12-2010	12/733337		Jun-04-2013	8453556
BSFB-2009-5-US-1	United States of America	Non-Threaded Method for Assembling a Center Hole Parking Diaphragm and Adapter Push Rod with a Clip and Washer	Granted		Mar-12-2010	12/733337		Jun-04-2013	8453556
BSFB-2009-9-BR-1	Brazil	High Resolution One-Way Clutch with Graduated Saw-Tooth Engagement for an Automatic Slack Adjuster	Pending	BR112013003629-0	Feb-15-2013				
BSFB-2009-9-CA-1	Canada	High Resolution One-Way Clutch with Graduated Saw-Tooth Engagement for an Automatic Slack Adjuster	Granted	2908439	Feb-14-2013	Aug-03-2011	PCT/US2011/046392	Apr-24-2018	2808439
BSFB-2009-9-CN-1	China	High Resolution One-Way Clutch with Graduated Saw-Tooth Engagement for an Automatic Slack Adjuster	Granted	2011800503429	Apr-18-2013	Aug-03-2011	PCT/US2011/046392	Nov-25-2015	2011800503429
BSFB-2009-9-IN-1	India	High Resolution One-Way Clutch with Graduated Saw-Tooth Engagement for an Automatic Slack Adjuster	Pending	1289/CH/BNP/2013	Feb-18-2013	Aug-03-2011	PCT/US2011/046392	Sep-25-2015	333484
BSFB-2009-9-MX-1	Mexico	High Resolution One-Way Clutch with Graduated Saw-Tooth Engagement for an Automatic Slack Adjuster	Granted	MX/a/2013/0001857	Feb-15-2013	Aug-03-2011	PCT/US2011/046392	Sep-25-2015	333484
BSFB-2009-9-US-1-RCE	United States of America	High Resolution One-Way Clutch with Graduated Saw-Tooth Engagement for an Automatic Slack Adjuster	Granted		Aug-18-2010	12/858638		Dec-10-2013	8602188
BSFB-2010-2-US-2-RCE	United States of America	Snag-in-Center Seal Bushing	Granted	22950123	Mar-26-2014	Jun-17-2010	12/812951	Aug-09-2015	9400267
BSFB-2010-3-CA-1	Canada	Parking Piston Direct Connector to APR Rod	Granted	MX2014003604	Aug-16-2012	Aug-16-2012	PCT/US2012/51061	Apr-02-2019	2850123
BSFB-2010-3-MX-1	Mexico	PARKING PISTON DIRECT CONNECTION TO APR ROD	Granted		Aug-16-2012	Aug-16-2012	PCT/US2012/51061	Feb-17-2017	MX345826
BSFB-2010-3-US-1	United States of America	Parking Piston Direct Connector to APR Rod	Granted	20133431346	Nov-05-2013	Sep-28-2011	13/247372	Sep-19-2017	9765835
BSFB-2010-4-AU-1	Australia	Disc Brake Pad Mounting and Retention System and Method	Granted	22890221	Nov-05-2013	Nov-05-2013	PCT/US2013/068570	May-18-2017	2013431346
BSFB-2010-4-CA-1	Canada	Disc Brake Pad Mounting and Retention System and Method	Granted		Nov-05-2013	Nov-05-2013	PCT/US2013/068570	Aug-05-2020	28980021
BSFB-2010-4-MX-1	Mexico	Disc Brake Pad Mounting and Retention System and Method	Granted	MX/a/2015/005835	Nov-05-2013	Nov-05-2013	PCT/US2013/068570	Jan-16-2019	362409
BSFB-2010-4-US-1	United States of America	Disc Brake Pad Mounting and Retention System and Method	Granted	112016002631-4	Nov-09-2012	13/673404		Aug-04-2015	9097304
BSFB-2011-11-US-1	United States of America	Non-Pressure Plate Stone Shield with Energy Absorbing Lugs, and Pushrod Shield for Wetted Claws	Granted		Mar-14-2012	13/420087		Sep-15-2015	9132820
BSFB-2011-1-CN-1	China	Parking Brake piston for a parking brake chamber	Granted	201280057854.2	Aug-16-2012	Aug-16-2012	PCT/US2012/51058	Dec-14-2016	201280057854.2
BSFB-2011-1-IN-2	India	Parking Brake Piston For A Parking Brake Chamber	Pending	908/KONP/2014		Aug-16-2012	PCT/US2012/51058		
BSFB-2011-1-US-1-RCE	United States of America	Parking Brake Piston for a Parking Brake Chamber	Granted		Sep-28-2011	13/247449		Apr-14-2015	9004236
BSFB-2011-3-IN-1	India	Internally supplied clean dry air and externally vented parking brake chamber	Pending	911/KONP/2014	Apr-25-2014	Aug-16-2012			
BSFB-2011-3-US-1	United States of America	Internally supplied clean dry air and externally vented parking brake chamber	Granted		Sep-28-2011	13/247686		May-06-2014	8714318
BSFB-2011-4-US-1	United States of America	METHOD AND SYSTEM FOR EVALUATING CHARACTERISTICS OF AN SCM	Granted		Jul-21-2011	13/188158		May-13-2014	8725450
BSFB-2011-5-US-1	United States of America	ADB adjuster for improved turning clearance	Granted		Nov-30-2012	13/691241		Jul-22-2014	8783427
BSFB-2011-6-US-1	United States of America	Turbo Drum for Drum Brakes	Granted		Oct-17-2012	13/654031		Apr-26-2016	9322446
BSFB-2011-7-AU-1	Australia	Hinged Table Brake Shoe	Granted	2014274303	May-28-2014	May-28-2014	PCT/US2014/039716	Nov-10-2016	2014274303
BSFB-2011-7-BR-1	Brazil	Hinged Table Brake Shoe	Pending	1120152867-3		May-28-2014	PCT/US2014/039716		
BSFB-2011-7-CA-1	Canada	Hinged Table Brake Shoe	Granted	2910987	May-28-2014	May-28-2014	PCT/US2014/039716	Dec-19-2017	201509297
BSFB-2011-7-CN-1	China	Hinged Table Brake Shoe	Granted	201480030504.6	May-28-2014	May-28-2014	PCT/US2014/039716		
BSFB-2011-7-IN-1	India	Hinged Table Brake Shoe	Pending	17284/CH/BNP/2015		May-28-2014	PCT/US2014/039716		
BSFB-2011-7-MX-1	Mexico	Hinged Table Brake Shoe	Granted	MX/a/2015/015901	May-28-2014	May-28-2014	PCT/US2014/039716	Jul-01-2019	366167
BSFB-2011-7-RU-1	Russian Federation	BRAKE SHOE AND BRAKING UNIT	Granted	201148489	May-28-2014	May-28-2014	PCT/US2014/039716	Aug-18-2017	2628355
BSFB-2011-7-US-1	United States of America	Hinged Table Brake Shoe	Granted		May-29-2013	13/904323		Jun-23-2015	9062728
BSFB-2011-8-US-1	United States of America	Hinged Table Brake Shoe	Granted		May-02-2013	13/875979		Jan-17-2017	9546700
BSFB-2012-13-AU-1	Australia	Spring Brake Actuator and Method for Making a Spring Brake Actuator	Granted	20142827041	Jul-11-2014	Jul-11-2014	PCT/US2014/046333	Jan-27-2017	20142827041
BSFB-2012-13-CA-1	Canada	Brake Pad Retention Device and Method	Granted	2918024	Jul-12-2014	Jul-12-2014	PCT/US2014/046333	May-17-2016	9341220
BSFB-2012-13-US-1	United States of America	Brake Pad Retention Device and Method	Pending		Jul-12-2014	13/940960		Feb-09-2017	2014306707
BSFB-2012-15-AU-1	Australia	Heavy Duty Stamped Spiler	Granted	2014306707	Aug-13-2014	Aug-13-2014	PCT/US2014/050812		
BSFB-2012-15-BR-1	Brazil	Heavy Duty Stamped Spiler	Pending	112016002631-4		Aug-13-2014	PCT/US2014/050812		
BSFB-2012-15-CA-1	Canada	HEAVY DUTY STAMPED SPILDER	Granted	2920726	Aug-13-2014	Aug-13-2014	PCT/US2014/050812	Jan-16-2018	2820726
BSFB-2012-15-CN-1	China	Heavy duty stamped spiler	Granted	1120140045409.3	Aug-13-2014	Aug-13-2014	PCT/US2014/050812	Jul-20-2018	105492794
BSFB-2012-15-DE-1	Germany	Heavy Duty Stamped Brake Spiler Geometry	Pending	112014003762.1		Aug-13-2014	PCT/US2014/050812		

Record ID	Country	Title	Status	National Application Number	National Application Date	Application Date	Application Number	Grant Date	Grant Number
BFSB-2014-1-IN-01	India	High resolution one-way Clutch using graduated engagement in a radial arrangement	Pending	201737000904	Jan-09-2017	Apr-28-2015	PC7/US2015/028021		
BFSB-2014-1-US-1	United States of America	High resolution one-way Clutch using graduated engagement in a radial arrangement	Granted			Jul-16-2014	14/333012	Jun-07-2016	9360069
BFSB-2014-23-AU-01	Australia	Drum Brake S-Cam Having Offset Cam Followers	Granted	2015339655	May-19-2017	Oct-23-2015	PC7/US2015/057051	Jan-31-2019	2015339655
BFSB-2014-23-BR-01	Brazil	Drum Brake S-Cam Having Offset Cam Followers	Granted	1120170082117-9	Apr-20-2017	Oct-23-2015	PC7/US2015/057051		
BFSB-2014-23-CA-01	Canada	Drum Brake S-Cam Having Offset Cam Followers	Pending	2965805	Apr-25-2017	Oct-23-2015	PC7/US2015/057051	Jul-03-2018	2965805
BFSB-2014-23-CN-01	China	Drum Brake S-Cam Having Offset Cam Followers	Granted	201580063308.3	May-22-2017	Oct-23-2015	PC7/US2015/057051	Apr-12-2019	107110253
BFSB-2014-23-DE-01	Germany	Drum Brake S-Cam Having Offset Cam Followers	Pending	DEL12015004913	Apr-28-2017	Oct-23-2015	PC7/US2015/057051		
BFSB-2014-23-IN-01	India	Drum Brake S-Cam Having Offset Cam Followers	Pending	201747018547	May-26-2017	Oct-23-2015	PC7/US2015/057051		
BFSB-2014-23-MX-01	Mexico	Drum Brake S-Cam Having Offset Cam Followers	Pending	MX/6/2017/005549	Apr-27-2017	Oct-23-2015	PC7/US2015/057051	Aug-09-2018	2663772
BFSB-2014-23-RU-01	Russian Federation	Drum Brake S-Cam Having Offset Cam Followers	Granted	2017118979	May-31-2017	Oct-23-2015	PC7/US2015/057051	Jun-14-2016	9365194
BFSB-2014-23-US-1	United States of America	Drum Brake S-Cam Having Offset Cam Followers	Granted	2015339656	May-19-2017	Nov-01-2014	14/530713	Jan-10-2019	2015339656
BFSB-2014-24-BR-01	Brazil	Brake Shoes for Drum Brake Having Offset Cam Followers	Pending	112017008299.3	Apr-20-2017	Oct-23-2015	PC7/US2015/057052		
BFSB-2014-24-CA-01	Canada	Brake Shoes for Drum Brake Having Offset Cam Followers	Granted	2965822	Apr-25-2017	Oct-23-2015	PC7/US2015/057052	Sep-25-2018	2965822
BFSB-2014-24-CN-01	China	Brake Shoes for Drum Brake Having Offset Cam Followers	Granted	201580063420.7	May-22-2017	Oct-23-2015	PC7/US2015/057052	Jun-04-2019	107110254
BFSB-2014-24-DE-01	Germany	Brake Shoes for Drum Brake Having Offset Cam Followers	Pending	112015004937.1	Apr-28-2017	Oct-23-2015	PC7/US2015/057052		
BFSB-2014-24-IN-01	India	Brake Shoes for Drum Brake Having Offset Cam Followers	Pending	201747018572	May-26-2017	Oct-23-2015	PC7/US2015/057052		
BFSB-2014-24-MX-01	Mexico	Brake Shoes for Drum Brake Having Offset Cam Followers	Pending	MX/6/2017/005548	Apr-27-2017	Oct-23-2015	PC7/US2015/057052	Oct-25-2018	2670880
BFSB-2014-24-RU-01	Russian Federation	Brake Shoes for Drum Brake Having Offset Cam Followers	Granted	2017118980	May-31-2017	Nov-01-2014	14/530715	Dec-06-2016	9512891
BFSB-2014-24-US-1	United States of America	Brake Shoes for Drum Brake Having Offset Cam Followers	Granted	2978281	Aug-30-2017	Feb-22-2016	PC7/US2016/018908		
BFSB-2014-27-MX-01	Mexico	Brake Disc Mounting Arrangement	Pending	MX/6/2017/011367	Sep-04-2017	Jul-07-2015	14/782813	Jul-18-2017	9708110
BFSB-2014-27-US-2	United States of America	Brake Disc Ventilation Arrangement	Granted						
BFSB-2014-31-AU-01	Australia	Disc Brake Pad Retention System and Mounting Method	Granted	20163235731	Sep-19-2017	Mar-30-2016	PC7/US2016/023002	Mar-05-2020	20163235731
BFSB-2014-31-CA-01	Canada	Disc Brake Pad Retention System and Mounting Method	Pending	2980199	Sep-18-2017	Mar-30-2016	PC7/US2016/023002		
BFSB-2014-31-MX-01	Mexico	Disc Brake Pad Retention System and Mounting Method	Pending	MX/6/2017/012292	Sep-25-2017	Mar-30-2016	PC7/US2016/023002		
BFSB-2014-31-US-1	United States of America	Disc Brake Pad Retention System and Mounting Method	Granted			Jul-28-2015	14/664067	Aug-08-2017	9726243
BFSB-2014-34-US-1	United States of America	Rigid Bracket Assembly for Mounting a Brake Assembly and Brake Actuator	Granted			Jan-09-2017	15/401363	Oct-02-2019	10089000
BFSB-2014-34-US-2	United States of America	Rigid Bracket Assembly for Mounting a Brake Assembly and Brake Actuator	Granted			Dec-10-2015	PC7/US2015/065004	Aug-08-2017	9724809
BFSB-2014-4-CA-01	Canada	APPARATUS AND METHOD FOR IMPACT FORMING A COTTER PIN	Granted	2970496	Jun-21-2017	Dec-15-2014	14/570033	Oct-01-2019	10428883
BFSB-2014-4-US-1	United States of America	APPARATUS AND METHOD FOR IMPACT FORMING A COTTER PIN	Granted			Jul-17-2015	14/802669		
BFSB-2015-10-US-1	United States of America	Drum Brake Assembly Configured to Reduce Audible Noise During Braking	Granted			Jan-29-2018	15/881829	Aug-28-2018	10060487
BFSB-2015-12-US-02	United States of America	Noise Dampening Brake Shoe for a Drum Brake	Granted			May-10-2017	2966900		
BFSB-2015-16-CA-01	Canada	Spring Loaded Plunger for Brake Pad Retention	Pending			May-10-2017	2017203103		
BFSB-2015-16-US-01	United States of America	Baseed Plunger Arrangement for a Brake Pad Retention System	Granted			May-11-2016	15/152131	Apr-10-2018	9939033
BFSB-2015-17-US-1	United States of America	BRAKE ASSEMBLY APPARATUS FOR A VEHICLE BRAKING SYSTEM	Granted			Oct-20-2016	15/298826	Jan-15-2019	10180167
BFSB-2015-18-AU-01	Australia	DISC BRAKE AND SET OF BRAKE PADS	Pending	2016354121	Apr-27-2018	Nov-09-2016	PC7/US2016/061124		
BFSB-2015-18-CA-01	Canada	DISC BRAKE AND SET OF BRAKE PADS	Pending	3005196	Aug-10-2018	Feb-27-2017	US2017019616		
BFSB-2015-18-CA-02	Canada	DISC BRAKE AND SET OF BRAKE PADS	Pending	3015796	Aug-24-2018	Feb-27-2017	US2017019616		
BFSB-2015-18-US-03	United States of America	Disc Brake and Set of Brake Pads	Granted			Jun-20-2018	16/013225	Nov-19-2019	10480600
BFSB-2015-19-BR-01	Brazil	DISC BRAKE AND SET OF BRAKE PADS	Pending			Nov-09-2016	PC7/US2016/061105		
BFSB-2015-19-CN-01	China	DISC BRAKE AND SET OF BRAKE PADS	Pending			Nov-09-2016	PC7/US2016/061105		
BFSB-2015-19-EP-01	European Patent Office (EPO)	DISC BRAKE AND SET OF BRAKE PADS	Pending	2016864902	Jun-12-2018	Nov-09-2016	PC7/US2016/061105		
BFSB-2015-19-RU-01	Russian Federation	DISC BRAKE AND SET OF BRAKE PADS	Pending	2018121231	Jun-13-2018	Nov-09-2016	PC7/US2016/061105		
BFSB-2015-22-CA-01	Canada	Hybrid Cam Bracket	Pending	3068478	Dec-23-2018	Jul-18-2018	PC7/US2018/042626		
BFSB-2015-22-DE-01	Germany	Hybrid Cam Bracket	Pending	11201800377.1	Jan-15-2020	Jul-18-2018	PC7/US2018/042626		
BFSB-2015-22-US-01	United States of America	Hybrid Structural Apparatus for a Vehicle Air Braking System	Granted			Jul-24-2017	15/657763	Oct-01-2019	10428887
BFSB-2015-2-AU-01	Australia	WEAR OPTIMIZED PAD DESIGN	Granted	2016317850	Mar-05-2018	Sep-01-2016	PC7/US2016/049872	Apr-09-2020	2016317850
BFSB-2015-2-AU-03	Australia	WEAR OPTIMIZED PAD DESIGN	Pending	2018217707	Aug-23-2019	Feb-08-2018	PC7/US2018/017432		
BFSB-2015-2-CA-01	Canada	WEAR OPTIMIZED PAD DESIGN	Pending	2997351	Mar-02-2018	Sep-01-2016	PC7/US2016/049872		
BFSB-2015-2-CA-03	Canada	WEAR OPTIMIZED PAD DESIGN	Pending	3052991	Aug-07-2019	Feb-08-2018	PC7/US2018/017432		
BFSB-2015-2-US-01	United States of America	Wear Optimized Pad Design	Granted			Sep-03-2015	14/844813	Mar-28-2017	96605721
BFSB-2015-2-US-02	United States of America	Wear Optimized Pad Design	Granted			Feb-03-2017	15/423953	Feb-20-2018	9897152
BFSB-2015-2-US-03	United States of America	Wear Optimized Pad Design	Granted			Feb-08-2017	15/427723	May-22-2018	9976610
BFSB-2015-3-CA-01	Canada	PULL-TYPE DOUBLE DIAPHRAGM SPRING BRAKE ACTUATOR	Pending	2994431	Jan-31-2018	Aug-23-2016	US20160408131	Jul-11-2017	9701294
BFSB-2015-3-US-1	United States of America	PULL-TYPE DOUBLE DIAPHRAGM SPRING BRAKE ACTUATOR	Granted			Aug-25-2015	14/835206		
BFSB-2015-4-US-02	United States of America	Electric Actuator for S-Cam Brake	Pending			Apr-10-2019	16/380836		
BFSB-2015-4-US-1	United States of America	Electric Actuator for S-Cam Brake	Pending			May-26-2016	15/164983		
BFSB-2015-5-US-1	United States of America	Wedge Spring Clip	Granted			Sep-09-2015	14/849333	Nov-29-2016	9505514

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BFSB-2015-9-CA-01	Canada	Multi-Function Dust Shield	Pending			Aug 03 2017	2975246		
BFSB-2015-9-MX-01	Mexico	Multi-Function Dust Shield	Pending			Aug 02 2017	MX/17/009972		
BFSB-2015-9-US-01	United States of America	BRAKE ACTUATOR APPARATUS FOR SHIELDING AND CENTERING	Granted			Aug 03 2016	15/226954	Feb 27 2018	9903436
BFSB-2016-12-US-1	United States of America	Electric Actuator for S-Cam Brake	Granted			Aug 26 2016	15/248636	Jun 19 2018	10001386
BFSB-2016-13-US-1	United States of America	Drum Brake Dust Shield for a Vehicle Braking System	Granted			Nov 29 2016	15/362881	Aug 14 2018	10047809
BFSB-2016-14-US-01	United States of America	Thermally Isolative Composite Expire Ring	Granted			Apr 10 2018	15/949129	Nov 17 2020	10837510
BFSB-2016-15-CA-01	Canada	Chamber for assembly assistance	Pending			Mar 26 2018	PC/T/US2018/024242		
BFSB-2016-15-MX-01	Mexico	Chamber for assembly assistance	Pending			Mar 26 2018	PC/T/US2018/024242		
BFSB-2016-15-US-01	United States of America	Chamber for a Disc Brake Configured to Facilitate Attachment of a Brake Actuator	Granted			Mar 27 2017	15/470747	Jun 18 2019	10333703
BFSB-2016-15-WO-01	World Intellectual Property Org. (WIPO)	Chamber for assembly assistance	Pending			Mar 26 2018	PC/T/US2018/024242		
BFSB-2016-17-WO-01	World Intellectual Property Org. (WIPO)	Private Actuator Mounting Device	Granted			Oct 11 2018	16/157685	Sep 08 2020	10767715
BFSB-2016-17-WO-01	World Intellectual Property Org. (WIPO)	Private Actuator Mounting Device	Granted			Sep 17 2019	PC/T/US2019/051382		
BFSB-2016-17-WO-01	Australia	BRAKE DISC WITH CONING-COMPENSATING ARRANGEMENT	Pending			Apr 04 2017	PC/T/US2017/025878		
BFSB-2016-17-WO-01	Canada	BRAKE DISC WITH CONING-COMPENSATING ARRANGEMENT	Pending			Apr 04 2017	PC/T/US2017/025878		
BFSB-2016-17-WO-01	United States of America	BRAKE DISC WITH CONING-COMPENSATING ARRANGEMENT	Granted			Apr 04 2017	PC/T/US2017/025878	Feb 05 2019	10197122
BFSB-2016-17-WO-01	United States of America	BRAKE DISC WITH CONING-COMPENSATING ARRANGEMENT	Granted			Apr 07 2016	15/093278	May 26 2020	10663025
BFSB-2016-7-US-01	United States of America	BUSHING ASSEMBLY FOR A SPRING BRAKE ACTUATOR OF A VEHICLE AIR BRAKING SYSTEM	Granted			Jul 31 2018	16/050489		
BFSB-2016-7-WO-01	World Intellectual Property Org. (WIPO)	Adapted with staked, flexible guided bushing	Pending			Jul 29 2019	PC/T/US2019/043872		
BFSB-2017-10-US-01	United States of America	SLACK ADJUSTER FOR A DRUM BRAKE OF A VEHICLE AIR BRAKING SYSTEM	Granted			Dec 07 2017	15/834200	Aug 13 2019	10378604
BFSB-2017-10-US-02	United States of America	SLACK ADJUSTER FOR A DRUM BRAKE OF A VEHICLE AIR BRAKING SYSTEM	Granted			Jun 20 2019	16/446698	Mar 24 2020	10598238
BFSB-2017-12-CA-01	Canada	Adjusting clutch in control train of automatic slack adjuster	Pending			Apr 30 2019	3041903		
BFSB-2017-12-MX-01	Mexico	Adjusting clutch in control train of automatic slack adjuster	Pending			May 14 2019	MX/19/000511	Jul 07 2020	10704630
BFSB-2017-12-US-01	United States of America	Automatic Slack Adjuster with Adjusting Clutch in Control Train	Granted			Feb 06 2018	15/889422	Jun 09 2020	10677203
BFSB-2017-13-US-01	United States of America	Disc Brake Wear Adjuster	Granted			Jul 20 2018	16/041252	Nov 10 2020	10830295
BFSB-2017-16-US-01	World Intellectual Property Org. (WIPO)	Gap Driven Semi-Feating Rotor	Pending			Jul 02 2019	PC/T/US2019/040260		
BFSB-2017-19-US-01	United States of America	Brake Disc Mounting Arrangement	Granted			Jul 20 2018	16/041281	Nov 17 2020	10837509
BFSB-2017-19-US-03	United States of America	Brake Disc Mounting Arrangement	Pending			Oct 03 2018	16/151122		
BFSB-2017-19-WO-01	World Intellectual Property Org. (WIPO)	Hub & Rotor adaptor using Powdered Metal Technology	Pending			Jul 02 2019	PC/T/US2019/040281		
BFSB-2017-1-US-01	United States of America	Devices and systems to prevent brake dust accumulation in drum brakes	Granted			Nov 02 2017	15/801386	Jun 25 2019	10330160
BFSB-2017-25-US-01	United States of America	Brake Disc Mounting Arrangement	Granted			Jul 20 2018	16/041292	Jul 07 2020	10704628
BFSB-2017-25-WO-01	World Intellectual Property Org. (WIPO)	Optimal Stress Distribution on Semi-Feating rotors	Pending			Jul 02 2019	PC/T/US2019/040290		
BFSB-2017-4-US-01	United States of America	Mechanical Pad Wear Indicator	Granted			Feb 15 2018	15/897555	Oct 08 2019	10436271
BFSB-2018-002-US-01	United States of America	Drum Brake Concept for use with an Electric Wheel End Drive Motor	Pending			Aug 01 2018	16/051628		
BFSB-2018-003-US-01	United States of America	Multi-Piece Rotor Concept for use with an Electric Wheel End Drive Motor	Granted			Jun 14 2018	16/008244	Jul 07 2020	10704627
BFSB-2018-046-US-01	United States of America	Aid on wireless wear sensing	Pending			Mar 29 2019	16/369634		
BFSB-2018-046-WO-01	World Intellectual Property Org. (WIPO)	Aid on wireless wear sensing	Pending			Mar 25 2020	PC/T/US2020/024546		
BFSB-2018-047-US-01	United States of America	Automatic Slack Adjuster	Pending			May 15 2019	16/412640		
BFSB-2018-047-WO-01	World Intellectual Property Org. (WIPO)	Automatic Slack Adjuster	Pending			May 11 2020	PC/T/US2020/022285		
BFSB-2019-008-US-01	United States of America	Brake Actuator Using Fluid Bladder or Bladders as Fluid Chambers	Pending			Apr 28 2020	16/860663		
BFSB-2019-009-US-01	United States of America	Splined Drum and Electric Motor Engagement Assembly	Pending			Feb 24 2020	16/799331		
BFSB-2019-010-US-01	United States of America	Electric Vehicle Drum Brake Dust Evacuation and Cooling Concept	Pending			Jan 17 2020	16/745728		
BFSB-2019-090-US-01	United States of America	Drum Brake Shoe with Vibration Damping	Pending			Feb 18 2020	16/792922		
BFSB-2019-091-US-01	United States of America	Drum Brake Camshaft with Engineered Core	Pending			Feb 24 2020	16/798504		
BFSB-2019-093-US-01	United States of America	SpringBrake Pushrod to Park Diaphragm Interface	Not Yet Filed						
BFSB-2019-114-US-01	United States of America	UNITARY BRACKET FOR MOUNTING A BRAKE ASSEMBLY AND BRAKE ACTUATOR	Pending			Feb 21 2020	16/797107		
BFSB-2020-008-US-01	United States of America	Integrated Camshaft Bracket Change and Spider	Not Yet Filed						
BFSB-2020-009-US-01	United States of America	Drum Brake Spider Optimized for Vibration and Application	Not Yet Filed						
BFSB-2020-020-US-01	United States of America	SCALING ASSEMBLY FOR A SPRING BRAKE ACTUATOR	Pending			Aug 31 2020	17/007037		
BFSB-2020-063-US-01	United States of America	BRAKE WEAR SENSING APPARATUS AND SYSTEM	Pending			Nov 24 2020	17/103236		
BFSB-2020-064-US-01	United States of America	Torque Limiting Link	Pending			Dec 11 2020	17/119643		
BFSB-2020-066-DE-1	Germany	Brake Actuator Mechanism With Overload Protection	Granted			Feb 10 2006	06/734824.3	Nov 04 2009	1853835
BFSB-2020-067-DE-1	Brazil	Thermal Protection for Disc Brake Components	Pending			Mar 18 2011	PC/T/US2011/28995		
BFSB-2020-067-CA-1	China	Thermal Protection for Disc Brake Components	Granted			Mar 18 2011	PC/T/US2011/28995	Nov 25 2015	201180015063.9
BFSB-2020-067-EP-01	European Patent Office (EPO)	Thermal Protection for Disc Brake Components	Granted			Mar 18 2011	PC/T/US2011/28995		
BFSB-2020-067-RU-1	Russian Federation	Thermal Protection for Disc Brake Components	Granted			Mar 18 2011	PC/T/US2011/28995	Sep 29 2015	21564570
BFSB-2020-068-DE-1	Germany	Self-Setting Automatic Slack Adjuster with Increased Durability	Pending			Nov 04 2009	PC/T/US2009/63248		
BFSB-2020-068-DE-2	Germany	Automatic Slack Adjuster with Clutch Release Cam	Granted			Nov 04 2009	PC/T/US2009/63248	Jul 16 2014	2352931
BFSB-2020-068-DE-3	Hungary	Automatic Slack Adjuster with Clutch Release Cam	Granted			Nov 04 2009	PC/T/US2009/63248	Jul 16 2014	2352931
BFSB-2020-068-DE-4	Netherlands	Automatic Slack Adjuster with Clutch Release Cam	Granted			Nov 04 2009	PC/T/US2009/63248	Jul 16 2014	2352931

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BFSB KBAG-2008-16-PR-1	Poland	Automatic Slack Adjuster with Clutch Release Cam	Granted		Nov-04-2009		Jul-16-2014	2352931
BFSB KBAG-2010-16-TR-1	Turkey	Automatic Slack Adjuster with Clutch Release Cam	Granted		Nov-04-2009		Jul-16-2014	2352931
BFSB KBAG-2010-3-CN-1	China	Parking Brakes Direct Connection to APR Rod	Granted	201280057842 X	Aug-16-2012	PCT/US2012/51061	Oct-26-2016	201280057842 X
BFSB KBAG-2010-3-DE-1	Germany	Parking Brakes Direct Connection to APR Rod	Granted		Aug-16-2012	PCT/US2012/51061	Feb-26-2020	2760715
BFSB KBAG-2010-3-EP-1	European Patent Office (EPO)	Parking Brakes Direct Connection to APR Rod	Granted	12835298.6	Aug-16-2012	PCT/US2012/51061		
BFSB KBAG-2010-3-IN-1	India	Parking Brakes Direct Connection to APR Rod	Granted		Aug-16-2012	PCT/US2012/51061		
BFSB KBAG-2010-3-KR-01	Korea (South)	Parking Brakes Direct Connection to APR Rod	Pending	906/KOIP/2014	Aug-16-2012	PCT/US2012/51061	May-19-2019	1979046
BFSB KBAG-2010-4-EP-1	European Patent Office (EPO)	Disc Brake Pad Mounting and Retention System and Method	Pending	13852569.6	Nov-05-2013	PCT/US2013/068570		
BFSB KBAG-2011-11-DE-1	Germany	Non-Pressure Plate Stone Shield with Energy Absorbing Lugs	Granted		Mar-13-2013	13158890.7	Nov-25-2015	602010003944.5
BFSB KBAG-2011-11-EP-1	European Patent Office (EPO)	Non-Pressure Plate Stone Shield with Energy Absorbing Lugs	Granted		Mar-13-2013	13158890.7	Nov-25-2015	2639196
BFSB KBAG-2011-11-FR-1	France	Non-Pressure Plate Stone Shield with Energy Absorbing Lugs	Granted		Mar-13-2013	13158890.7	Nov-25-2015	2639196
BFSB KBAG-2011-11-TR-1	Turkey	Non-Pressure Plate Stone Shield with Energy Absorbing Lugs	Granted		Mar-13-2013	13158890.7	Nov-25-2015	TR20160120874
BFSB KBAG-2011-3-DE-01	Germany	Internally supplied clean dry air and externally vented parking brake chamber	Granted		Aug-16-2012	PCT/US2012/51054	Oct-10-2018	2760719
BFSB KBAG-2011-3-EP-1	European Patent Office (EPO)	Internally supplied clean dry air and externally vented parking brake chamber	Granted	12835549.2	Aug-16-2012	PCT/US2012/51054	Oct-10-2018	2760719
BFSB KBAG-2011-5-EP-1	European Patent Office (EPO)	ADB adjuster for improved brake pad to rotor running clearance	Granted		Nov-21-2013	131193873.0	Jul-08-2015	2738443
BFSB KBAG-2011-5-GB-1	United Kingdom	ADB adjuster for improved brake pad to rotor running clearance	Granted		Nov-21-2013	131193873.0	Jul-08-2015	2738443
BFSB KBAG-2011-6-BR-1	Brazil	Turbo Drum for Drum Brakes	Pending	BR112015008320.0	Oct-16-2013			
BFSB KBAG-2012-13-EP-1	European Patent Office (EPO)	Turbo Drum for Drum Brakes	Pending	13846980.4	Oct-16-2013	PCT/US2013/065204		
BFSB KBAG-2012-13-EP-1	European Patent Office (EPO)	Brake Pad Retention Device and Method	Pending	14823351.3	Jul-11-2014	PCT/US2014/065333		
BFSB KBAG-2012-17-AT-01	Austria	Disc Brake Pad Mounting and Retention System and Method	Not Yet Filed					
BFSB KBAG-2012-17-BE-01	Belgium	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-CH-01	Switzerland	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-CZ-01	Czech Republic	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-DE-01	Germany	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-DK-01	Denmark	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-EE-01	Estonia	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-EP-1	European Patent Office (EPO)	Disc Brake Pad Mounting and Retention System and Method	Granted	13180629.1	Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-ES-01	Spain	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-FR-01	France	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-GB-01	United Kingdom	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-GR-01	Gulf Cooperation Council (GCC)	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-15-2013	GCC/P/2013/25160	Dec-31-2017	GC0006680
BFSB KBAG-2012-17-HK-1	Hong Kong	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-HU-01	Hungary	Disc Brake Pad Mounting and Retention System and Method	Granted		Oct-13-2013	15110108.1	Jan-18-2019	1209473
BFSB KBAG-2012-17-IT-01	Italy	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-KR-01	Korea (South)	Disc Brake Pad Mounting and Retention System and Method	Pending	1020157006486	Aug-13-2013	PCT/US2013/54679	Mar-21-2018	2698554
BFSB KBAG-2012-17-LT-01	Lithuania	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-LV-01	Latvia	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-MK-01	Macedonia	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-MX-2	Mexico	Disc Brake Pad Mounting and Retention System and Method	Pending	MX/6/2015/002096				
BFSB KBAG-2012-17-NL-01	Netherlands	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-PL-01	Poland	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-PT-01	Portugal	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-RO-01	Romania	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-SE-01	Sweden	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-SI-01	Slovenia	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-SK-01	Slovakia	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-TR-01	Turkey	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-16-2013	13180629.1	Mar-21-2018	2698554
BFSB KBAG-2012-17-TZ-2	South Africa	Disc Brake Pad Mounting and Retention System and Method	Granted	2015/012766	Aug-13-2013	PCT/US2013/54679	Apr-24-2019	2015/012766
BFSB KBAG-2012-18-AT-01	Austria	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-BE-01	Belgium	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-CH-01	Switzerland	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-CZ-01	Czech Republic	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-DE-01	Germany	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-DK-01	Denmark	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-EP-1	European Patent Office (EPO)	Disc Brake Pad Mounting and Retention System and Method	Granted	13829676.9	Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-EP-2	European Patent Office (EPO)	Disc Brake Pad Mounting and Retention System and Method	Granted	14880689.2	Aug-13-2014	PCT/US2014/052016	Sep-30-2020	3052829
BFSB KBAG-2012-18-ES-01	Spain	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-FI-01	Finland	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-FR-01	France	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-GB-01	United Kingdom	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552
BFSB KBAG-2012-18-HU-01	Hungary	Disc Brake Pad Mounting and Retention System and Method	Granted		Aug-13-2013	PCT/US2013/054680	Nov-25-2020	2885552

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BSEB KBAG-2012-18-IT-01	Italy	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-NU-01	Netherlands	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-PL-01	Poland	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-PT-01	Portugal	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-RO-01	Romania	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-SE-01	Sweden	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-SK-01	Slovakia	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-18-TR-01	Turkey	Disc Brake Pad Mounting and Retention System and Method	Granted						
BSEB KBAG-2012-1-EP-1	European Patent Office (EPO)	Brake Carrier Mounting Arrangement	Pending	14880462.4					
BSEB KBAG-2015-18-AE-01	United Arab Emirates	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-AE-02	United Arab Emirates	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-BR-01	Brazil	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-BR-02	Brazil	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-BY-01	Belarus	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-BY-02	Belarus	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-CN-01	China	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-CN-02	China	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-EP-01	European Patent Office (EPO)	DISC BRAKE AND SET OF BRAKE PADS	Pending	14884907.7					
BSEB KBAG-2015-18-EP-02	European Patent Office (EPO)	DISC BRAKE AND SET OF BRAKE PADS	Pending	17760531.8					
BSEB KBAG-2015-18-IN-01	India	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-IN-02	India	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-JP-01	Japan	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-KR-01	Korea (South)	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-KR-02	Korea (South)	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-MX-01	Mexico	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-MX-02	Mexico	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-RU-01	Russian Federation	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-RU-02	Russian Federation	DISC BRAKE AND SET OF BRAKE PADS	Pending						
BSEB KBAG-2015-18-US-01	United States of America	Disc Brake and Brake Pad Set	Granted						
BSEB KBAG-2015-18-US-04	United States of America	Disc Brake and Set of Brake Pads	Granted						
BSEB KBAG-2015-18-ZA-01	South Africa	DISC BRAKE AND BRAKE PAD SET	Pending						
BSEB KBAG-2015-22-WO-01	World Intellectual Property Org. (WIPO)	Hybrid Cam Bracket	Pending						
BSEB KBAG-2015-2-BY-01	Belarus	WEAR OPTIMIZED PAD DESIGN	Pending	a 20180128					
BSEB KBAG-2015-2-BY-03	Belarus	WEAR OPTIMIZED PAD DESIGN	Pending	20190263					
BSEB KBAG-2015-2-CN-01	China	WEAR OPTIMIZED PAD DESIGN	Granted	20168005433.4					
BSEB KBAG-2015-2-CN-03	China	WEAR OPTIMIZED PAD DESIGN	Pending	201880019490.6					
BSEB KBAG-2015-2-EP-01	European Patent Office (EPO)	WEAR OPTIMIZED PAD DESIGN	Pending	16842972.8					
BSEB KBAG-2015-2-EP-03	European Patent Office (EPO)	WEAR OPTIMIZED PAD DESIGN	Pending	16751750.3					
BSEB KBAG-2015-2-HK-01	Hong Kong	WEAR OPTIMIZED PAD DESIGN	Pending						
BSEB KBAG-2015-2-IN-01	India	WEAR OPTIMIZED PAD DESIGN	Pending	201837008468					
BSEB KBAG-2015-2-IN-03	India	WEAR OPTIMIZED PAD DESIGN	Pending	201937034713					
BSEB KBAG-2015-2-RU-01	Russian Federation	WEAR OPTIMIZED PAD DESIGN	Granted	2018111688					
BSEB KBAG-2015-2-RU-03	Russian Federation	WEAR OPTIMIZED PAD DESIGN	Granted	2019127164					
BSEB KBAG-2016-1-CN-01	China	BRAKE DISC WITH CONING-COMPENSATING ARRANGEMENT	Pending	201780021634.7					
BSEB KBAG-2016-1-EP-01	European Patent Office (EPO)	BRAKE DISC WITH CONING-COMPENSATING ARRANGEMENT	Pending	17779630.7					
BSEB KBAG-2017-10-RU-01	Russian Federation	Anti Reverse Brake for Slack Adjuster	Pending	2020122222					
BSEB KBAG-2017-10-WO-01	World Intellectual Property Org. (WIPO)	Anti Reverse Brake for Slack Adjuster	Pending						
BSEB KBAG-2017-13-EP-01	European Patent Office (EPO)	Tandem Worm Adjuster ADB	Pending						