

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
True Temper Sports, Inc.	12/11/2009
New True Temper Corporation, Inc.	12/11/2009

RECEIVING PARTY DATA

Name:	General Electric Capital Corporation, as Agent
Street Address:	201 Merritt 7
Internal Address:	6th Floor
City:	Norwalk
State/Country:	CONNECTICUT
Postal Code:	06856-5201

PROPERTY NUMBERS Total: 35

Property Type	Number
Patent Number:	5993328
Patent Number:	D411273
Patent Number:	5989133
Patent Number:	6134937
Patent Number:	5646345
Patent Number:	5515615
Patent Number:	5607364
Patent Number:	D370517
Patent Number:	5634860
Patent Number:	5863260
Patent Number:	5743811
Patent Number:	5810676
Patent Number:	5984804

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PATENT
REEL: 023649 FRAME: 0308

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Patent Number:	5951410
Patent Number:	5882268
Patent Number:	6203447
Patent Number:	5943758
Patent Number:	5952580
Patent Number:	D466575
Patent Number:	5762352
Patent Number:	6729970
Patent Number:	7115045
Patent Number:	6893596
Patent Number:	D507815
Patent Number:	5040279
Patent Number:	5857921
Patent Number:	6695711
Patent Number:	6845552
Patent Number:	6984179
Patent Number:	7255652
Patent Number:	5528927
Patent Number:	5609530
Patent Number:	5617752
Patent Number:	5628473
Patent Number:	5685781

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	034784-0102
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NAME OF SUBMITTER:	Zeynep Gieseke
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Total Attachments: 19
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PATENT
REEL: 023649 FRAME: 0309

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PATENT SECURITY AGREEMENT

THIS PATENT SECURITY AGREEMENT, dated as of December 11, 2009, is made by each of the entities listed on the signature pages hereof (each a "Grantor" and, collectively, the "Grantors"), in favor of General Electric Capital Corporation ("GE Capital"), as administrative agent (in such capacity, together with its successors and permitted assigns, "Agent") for the Secured Parties (as defined in the Credit Agreement referred to below).

WITNESSETH:

WHEREAS, pursuant to the Credit Agreement, dated as of December 11, 2009 (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), by and among True Temper Sports, Inc. (the "Borrower"), Holdings, the other Credit Parties, the Lenders and the L/C Issuers from time to time party thereto and GE Capital, as Agent, the Lenders and the L/C Issuers have severally agreed to make extensions of credit to the Borrower upon the terms and subject to the conditions set forth therein;

WHEREAS, each Grantor has agreed, pursuant to a Guaranty and Security Agreement of even date herewith in favor of Agent (as such agreement may be amended, restated, supplemented or otherwise modified from time to time, the "Guaranty and Security Agreement"), to guarantee the Obligations (as defined in the Credit Agreement) of each Borrower; and

WHEREAS, all of the Grantors are party to the Guaranty and Security Agreement pursuant to which the Grantors are required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Lenders, the L/C Issuers and Agent to enter into the Credit Agreement and to induce the Lenders and the L/C Issuers to make their respective extensions of credit to the Borrower thereunder, each Grantor hereby agrees with Agent as follows:

Section 1. Defined Terms. Capitalized terms used herein without definition are used as defined in the Guaranty and Security Agreement.

Section 2. Grant of Security Interest in Patent Collateral. Each Grantor, as collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations of such Grantor, hereby mortgages, pledges and hypothecates to Agent for the benefit of the Secured Parties, and grants to Agent for the benefit of the Secured Parties a Lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of such Grantor (the "Patent Collateral");

1. all of its Patents and all IP Licenses providing for the grant by or to such Grantor of any right under any Patent, including, without limitation, those referred to on Schedule 1 hereto;

2. all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing; and

3. all income, royalties, proceeds and Liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

Section 3. Guaranty and Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to Agent pursuant to the Guaranty and Security Agreement and each Grantor hereby acknowledges and agrees that the rights and remedies of Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Guaranty and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

Section 4. Grantor Remains Liable. Each Grantor hereby agrees that, anything herein to the contrary notwithstanding, such Grantor shall assume full and complete responsibility for the prosecution, defense, enforcement or any other necessary or desirable actions in connection with their Patents and IP Licenses subject to a security interest hereunder.

Section 5. Counterparts. This Patent Security Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart.

Section 6. Governing Law. This Patent Security Agreement and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of New York.

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

TRUE TEMPER SPORTS, INC.,
as a Grantor

By: 

Name:

Title:

NEW TRUE TEMPER CORPORATION, INC.,
as a Grantor

By: 

Name:

Title:

[Signature Page to Patent Security Agreement]

ACCEPTED AND AGREED
as of the date first above written:

GENERAL ELECTRIC CAPITAL CORPORATION,
as Agent

By: K. A. Duff
Name: K. A. Duff
Title: Duly Authorized Signatory

[Signature Page to Patent Security Agreement]

True Temper Sports, Inc.
Patent Portfolio
U.S. -- Active Cases

HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-000001/US	United States of America Continuation	08/886486 07/01/1997	5993328 11/30/1999		US-08/603270 02/20/1996	08/603270 02/20/1996	Granted 02/20/2016
	Title: Golf Club Shaft Inventors: PEDERSEN, Svein; NOYES, David S.						
9808-000003/US	United States of America Design	29/056045 06/20/1996	D411273 06/22/1999		06/20/1996		Granted 06/22/2013
	Title: Design: Golf Club Shaft Inventors: PEDERSEN, Svein; NOYES, David S.						
9808-000008/US	United States of America Continuing Prosecution	08/642363 05/03/1996	5989133 11/23/1999		05/03/1996	05/03/1996	Granted 05/03/2016
	Title: Golf Club And Shaft Therefor And Method Of Making Same Inventors: LEE, Gary L.; FINLEY, Edwin B.; HOWELL, Larry W.; LEWELLEN, Curtis W.						
9808-000008/US/DVA	United States of America Divisional Filing	09/373266 08/12/1999	6134937 10/24/2000		05/03/1996	08/642363 05/03/1996	Granted 05/03/2016
	Title: Method of Making A Golf Shaft Inventors: LEE, Gary L.; FINLEY, Edwin B.; HOWELL, Larry W.; LEWELLEN, Curtis W.						
9808-000026/US/DVB	United States of America Divisional Filing	08/595118 02/01/1996	5646345 07/08/1997		08/01/1994	08/290668 08/01/1994	Granted 08/01/2014
	Title: Acceleration Responsive Device Inventors: BUTLER Jr., Joseph H.						

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-000028/US	United States of America Utility Patent	08/361613 12/22/1994	5515615 05/14/1996		12/22/1994		Granted 12/22/2014
Title: Methods Of And Device For Measuring The Curvature Of An Object Inventors: TWIGG, Michael J.; BARBEE, Montell							
9808-000029/US	United States of America Utility Patent	08/361141 12/21/1994	5607364 03/04/1997		12/21/1994		Granted 12/21/2014
Title: Polymer Damped Tubular Shafts Inventors: HEDRICK, Michael W.; WINFIELD, Douglas C.							
9808-000031/US	United States of America Design	29/036224 03/15/1995	D370517 06/04/1996		03/15/1995		Granted 06/04/2010
Title: Design: Golf Device Inventors: BUTLER Jr., Joseph H.							
9808-000032/US	United States of America Utility Patent	08/614589 03/13/1996	5634860 06/03/1997		03/13/1996		Granted 03/13/2016
Title: Golf Club And Shaft Therefor Inventors: MCINTOSH, William R.; KITCHENS, Jeffrey E.							
9808-000034/US/COA	United States of America Continuation	08/873098 06/11/1997	5863260 01/26/1999		07/14/1995	08/502721 07/14/1995	Granted 07/14/2015
Title: Device-Coupled Assembly And Device Used Therewith Inventors: BUTLER Jr., Joseph H.; HEDRICK, Michael W.; MCCASKEY, Michael R.							

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-000036/US	United States of America Utility Patent Title: Lightweight Shaft Inventors: BIRD, Gregory M.	08/612028 03/07/1996	5743811 04/28/1998		03/07/1996		Granted 03/07/2016
9808-000036/US/COA	United States of America Continuation Title: Lightweight Shaft Inventors: BIRD, Gregory M.	08/888046 07/03/1997	5810676 09/22/1998		03/07/1996	08/612028 03/07/1996	Granted 03/07/2016
9808-000037/US	United States of America Utility Patent Title: Lightweight Shaft And Methods Of Making Same Inventors: BERG, Jerome S.	08/613792 03/01/1996	5984804 11/16/1999		03/01/1996		Granted 05/22/2016
9808-000038/US	United States of America Utility Patent Title: Apparatus For Obtaining Compound Bending Data Of A Golf Club Inventors: BUTLER Jr., Joseph H.; TWIGG, Michael J.; BYRD, Everett A.	08/775340 01/03/1997	5951410 09/14/1999		US-08/775340 01/03/1997		Granted 01/03/2017
9808-000039/US	United States of America Utility Patent Title: Golf Club And Shaft Therefor Inventors: MCINTOSH, William R.; KITCHENS, Jeffrey E.	08/615353 03/13/1996	5882268 03/16/1999		03/13/1996		Granted 03/13/2016

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HDP Case ID	Country Case Type	Appl. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Patent Number Parent Date	Status Expiry Date
9808-000132/US	United States of America Utility Patent	09/455667 12/07/1999	6203447 03/20/2001		12/07/1999		Granted 12/07/2019
Title: Bonding Apparatus For Modular Shafts Inventors: DILLARD, Terry							
9808-000141/US	United States of America Utility Patent	08/940935 09/30/1997	5943758 08/31/1999	2002/0037780 3/28/2002	09/30/1997		Granted 09/30/2017
Title: Fabrication Of A Hollow Composite-Material Shaft Having An Integral Collar Inventors: HAAS, Neal							
9808-000142/US	United States of America Utility Patent	08/941477 09/30/1997	5952580 09/14/1999		09/30/1997		Granted 09/30/2017
Title: Apparatus And Method For Producing Shafts Having Preselctedlengths And Flexural Properties Inventors: HAAS, Neal							
9808-000149/US	United States of America Design Divisional	29/136679 02/06/2001	D466575 12/03/2002		12/21/2000	09/745001 12/21/2000	Granted 12/03/2016
Title: Design: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.							

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-000153/US	United States of America Utility Patent	616366 03/15/1996	5762352 06/09/1998		03/15/1996		Granted 03/15/2016
Title: Bicycle Fork Having A Fiber Reinforced SteererTube And Fiber Reinforced Crown And BladesAnd Method Of Making Same Inventors: LEE, Kyu-Wang							
9808-000155/US	United States of America Utility Patent	10/228633 08/27/2002	6729970 05/04/2004	2004/0043826A1 3/4/2004	08/27/2002		Granted 08/27/2022
Title: Hybrid Golf Club Shaft Set Inventors: HORWOOD, Graeme; COKEING, Scott D.; RUMMP, Kenney							
9808-000155/US/CPA	United States of America Continuation In Part	10/645995 08/22/2003	7115045 10/03/2006	2004/0106463A1 6/3/2004	08/27/2002	10/228633 08/27/2002	Granted 08/27/2022
Title: Hybrid Golf Club Shaft Set Inventors: HORWOOD, Graeme; COKEING, Scott D.; RUMMP, Kenney							
9808-000168/US	United States of America Utility Patent	10/389243 03/14/2003	6893596 05/17/2005	2004/0178533A1 9/16/2004	03/14/2003		Granted 03/14/2023
Title: Method Of Forming A One Piece Hockey Stick Inventors: HAAS, Neal; MOLLNER, Brian C.							

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-000171/US	United States of America Design	29/199149 02/09/2004	D507815 07/26/2005		02/09/2004		Granted 07/26/2019
Title: Design: Golf Club Shaft Inventors: HEDRICK, Michael W.; BROWN Jr., Donald C.; HORWOOD, Graeme							
9808-000194/US	United States of America Utility Patent	07/259989 10/19/1988	5040279 08/20/1991		10/19/1988		Granted 10/19/2008
Title: Method For Producing Frequency Matched Sets Of Composite golf Club Shafts Inventors: BRALY, Warren K.							
9808-000195/US	United States of America Utility Patent	08/652930 05/24/1996	5857921 01/12/1999		05/24/1996		Granted 05/24/2016
Title: Golf Club Shafts Inventors: BRALY, Joseph M.; BRALY, Warren K.							
9808-000196/US	United States of America Utility Patent	10/058955 01/28/2002	6695711 02/24/2004	2003/0144073A1 7/31/2003	01/28/2002		Granted 01/28/2022
Title: Hydroformed Metallic Golf Club Shafts And Method Therefore Inventors: BLOUGH, Robert T.							
9808-000196/US/DVA	United States of America Divisional Filing	10/454300 06/04/2003	6845552 01/25/2005	2003/0199333A1 10/23/2003	01/28/2002	10/058955 01/28/2002	Granted 01/28/2022
Title: Method Of Preparing Hydroformed Metallic Golf Club Shafts Inventors: BLOUGH, Robert T.							

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-000197/US	United States of America Utility Patent	10/282077 10/28/2002	6984179 01/10/2006	2004/0082403A1 4/29/2004	10/28/2002		Granted 10/28/2022
Title: Golf Club Shafts Having Variable Taper Lengths Inventors: BRALY, W. Kim; BRALY, Joseph M.							
9808-000198/US/DVA	United States of America Divisional Filing	11/345872 02/01/2006		20060128495A1 6/15/2006	01/15/2003	10/342857 01/15/2003	Published
Title: Lightweight, Durable Golf Club Shafts Inventors: BRALY, W. Kim; SPRAGUE, William G.							
9808-000324/US	United States of America Utility Patent	11/772662 07/02/2007			07/02/2007		Pending
Title: Hockey Stick Inventors: MOLLNER, Brian C.; LEMIRE, David; OMANA III, Joseph M.							
9808-000326/US	United States of America Utility Patent	12/107352 04/22/2008					Pending
Title: Composite Bat Inventors: THOUJIN, Maxime							

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-100026/TW	Taiwan Utility Patent	83107059 08/02/1994	N1080964 01/23/1997	10/11/1996	08/01/1994	08/290668 08/01/1994	Granted 08/01/2014
Title: Accelerated Responsive Device and Methods of Use Inventors: BUTLER Jr., Joseph H.							
9808-100026/GB	United Kingdom Utility Patent	95146999 07/18/1995	2292459 11/27/1996	2/21/1996	08/01/1994	08/290668 08/01/1994	Granted 07/18/2015
Title: Acceleration Responsive Device Inventors: BUTLER Jr., Joseph H.							
9808-100026/GB/01	United Kingdom Divisional Filing	95227989 07/18/1995	2294324 11/27/1996	4/24/1996	08/01/1994	95146999 07/18/1995	Granted 07/18/2015
Title: Method Of Use Of Acceleration Responsive Device Inventors: BUTLER Jr., Joseph H.							
9808-100026/GB/02	United Kingdom Divisional Filing	96019997 07/18/1995	2296326 11/27/1996	6/26/1996	08/01/1994	95146999 07/18/1995	Granted 07/18/2015
Title: Acceleration Responsive Device Inventors: BUTLER Jr., Joseph H.							

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9808-100029/TW	Taiwan Utility Patent	84101270 02/13/1995	NI092566	2/11/1998	12/21/1994	08/361141 12/21/1994	Granted 02/12/2015
Title: Golf Club Shaft And Method For Reducing The Amplitude Of Induced Modes Of Vibration Upon A Hollow Metallic Golf Club Shaft Including An Inner And Outer Surface Inventors: HEDRICK, Michael W.; WINFIELD, Douglas C.							
9808-100029/GB	United Kingdom Utility Patent	95259222 12/19/1995	2296196 11/11/1998	2296196 6/26/1996	12/21/1994	08/361141 12/21/1994	Granted 12/19/2015
Title: Polymer Damped Tubular Shafts Inventors: HEDRICK, Michael W.; WINFIELD, Douglas C.							
9808-100032/AU	Australia Utility Patent	1625097 03/12/1997	708496 11/18/1999		03/13/1996	08/614589 03/13/1996	Granted 03/12/2017
Title: Golf Club and Shaft Therefor Inventors: KITCHENS, Jeffrey E.; MCINTOSH, William R.							
9808-100032/GB	United Kingdom Utility Patent	97052534 03/13/1997	2311016 12/06/1999	9/17/1997	03/13/1996	08/614589 03/13/1996	Granted 03/13/2017
Title: Golf Club and Shaft Therefor Inventors: KITCHENS, Jeffrey E.; MCINTOSH, William R.							

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HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Patent Number Parent Date	Status Expiry Date
9808-100039/GB	United Kingdom Utility Patent Title: Golf Club And Shaft Therefore Inventors: MCINTOSH, William R.	97052666 03/13/1997	2311017 10/06/1999	9/17/1997	03/13/1996	08/615353 03/13/1996	Granted 03/13/2017
9808-100148/JP	Japan Utility Patent Title: Metal and Composite Golf Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.; HORWOOD, Graeme	2001175622 06/11/2001			US-09/745001 12/21/2000	09/745001 12/21/2000	Pending
9808-100148/TW	Taiwan Utility Patent Title: Metal And Composite Golf Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.; HORWOOD, Graeme	90107412 09/26/2001	186365 01/29/2004	550105 9/1/2003	US-09/745001 12/21/2000	09/745001 12/21/2000	Granted 09/25/2021
9808-100149/AU	Australia Design Title: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.	10162001 03/27/2001	149591 10/17/2002		12/21/2000	29/136679 02/06/2001	Granted 03/27/2017
9808-100149/CA	Canada Design Title: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.	97140 07/21/2001	97140 06/13/2005		12/21/2000	29/136679 02/06/2001	Granted 06/13/2015

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9808-100149/DE	Germany Design	401058190 06/21/2001	401058190 11/06/2001		12/21/2000	29/136679 02/06/2001	Granted 06/21/2026
Title: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.							
9808-100149/J/P	Japan Design	200135242 11/30/2001	1165180 12/13/2002		12/21/2000	29/136679 02/06/2001	Granted 12/13/2017
Title: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.							
9808-100149/ES	Spain Design	151228 04/30/2001	151228 08/02/2002	5/1/2002	12/21/2000	29/136679 02/06/2001	Granted 08/02/2022
Title: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.							
9808-100149/GB	United Kingdom Design	2101642 05/08/2001	2101642 04/16/2002		12/21/2000	29/136679 02/06/2001	Granted 05/08/2026
Title: Golf Club Shaft Inventors: HEDRICK, Michael W.; WALKER, Michael D.; COKEING, Scott D.; THOMAS, James S.							
9808-100155/GB/02	United Kingdom Patent Cooperation Treaty	05039474 08/25/2003	2407519 04/05/2006	GB2507519 5/4/2005	08/27/2002	PCT/US2003/026663 08/25/2003	Granted 08/25/2023
Title: Hybrid Golf Club Shaft Set Inventors: HORWOOD, Graeme; COKEING, Scott D.; RUMP, Kenney							

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9808-100194/CA	Canada Utility Patent	609104 08/23/1989	1317751 05/18/1993		10/19/1988	07/259989 10/19/1988	Granted 05/18/2010
Title: Method For Producing Frequency Matched Sets Of Composite Golf Club Shafts Inventors: BRALY, Warren K.							
9808-100195/AU/01	Australia Patent Cooperation Treaty	3136297 05/22/1997	700774 11/16/1998		05/24/1996	PCT/US1997/008596 05/22/1997	Granted 05/22/2017
Title: Golf Club Shafts Inventors: BRALY, Joseph M.; BRALY, Warren K.							
9808-100195/CA/01	Canada Patent Cooperation Treaty	2243953 05/22/1997			05/24/1996	PCT/US1997/008596 05/22/1997	Pending 05/22/2017
Title: Golf Club Shafts Inventors: BRALY, Joseph M.; BRALY, Warren K.							
9808-100195/CN/01	China (Peoples Republic) Patent Cooperation Treaty	971933081 05/22/1997	ZL971933081 09/04/2002	1214637 4/21/1999	05/24/1996	PCT/US1997/008596 05/22/1997	Granted 05/22/2017
Title: A Tubular Blank For Producing Golf Club Shafts And A Method Of Making Said Tubular Blank Inventors: BRALY, Joseph M.; BRALY, Warren K.							

True Temper Sports, Inc.
Patent Portfolio
Foreign -- Active Cases

HDP Case ID	Country Case Type	Appln. No. Filing Date	Patent No. Reg. No.	Publication No. Publication Date	Priority Number Priority Date	Parent Number Parent Date	Status Expiry Date
9808-100195/JF/01	Japan Patent Cooperation Treaty	09542680 05/22/1997	3105265 09/01/2000		05/24/1996	PCT/US1997/008596 05/22/1997	Granted 05/22/2017
Title: Golf Club Shafts Inventors: BRALY, Joseph M.; BRALY, Warren K.							

U.S. Patents

<u>Patent</u>	<u>Patent Number</u>
1.	Appl. No. 11/345,872; Patent No. 7,255,652
2.	Center of gravity locator; Patent No. 5,528,927
3.	Methods of and device for measuring the curvature of an object; Patent No. 5,515,615
4.	Polymer damped tubular shafts; Patent No. 5,607,364
5.	Dynamic lie determination device and method; Patent No. 5,609,530
6.	Methods of and apparatus for straightening rods; Patent No. 5,617,752
7.	Methods of and apparatus for applying strands to a support; Patent No. 5,628,473
8.	Golf club and shaft therefor; Patent No. 5,634,860
9.	Acceleration responsive device; Patent No. 5,646,345
10.	Lightweight shaft; Patent No. 5,743,811
11.	Bicycle for having a fiber reinforced steerer tube and fiber reinforced crown and blades and method of making same; Patent No. 5,762,352
12.	Lightweight shaft; patent No. 5,810,676
13.	Device - coupled assembly and device used therewith; Patent No. 5,863,260
14.	Golf club and shaft therefor; Patent No. 5,882,268
15.	Fabrication of a hollow composite-material shaft having an integral collar; Patent No. 5,943,758
16.	Apparatus for obtaining compound bending data of a golf club; Patent No. 5,951,410
17.	Apparatus and method for producing shafts having preselected lengths; Patent No. 5,952,580
18.	Lightweight shaft and methods of making same; Patent No. 5,984,804
19.	Golf club shaft; Patent No. 5,993,328
20.	Golf club and shaft therefor and method of making same; Patent No. 5,989,133
21.	Method of making a golf shaft; Patent No. 6,134,937
22.	Bonding apparatus for modular shafts; Patent No. 6,203,447
23.	Design - golf club shaft; Patent No. D411,273
24.	Design - golf device; Patent No. D370,517
25.	Golf club shaft; Patent No. D466,575
26.	Hybrid golf club shaft set; Appl. No. 10/228,633; Patent No. 6,729,970
27.	Hybrid golf club shaft set; Appl. No. 10/645,995; Patent No. 7,115,045
28.	Design: golf club shaft; Appl. No. 29/199,149; Patent No. D507,815

29. Golf club shaft, Pat. No. 5,685,781
