505120136 10/01/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5166897

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARSHAWARDHAN JOGDAND	06/01/2018
E. MICHAEL SHIPULSKI	09/10/2018
DAVID J. COOK	07/19/2018
DAVID L. BOUTHILLIER	06/01/2018
ZHENG DUAN	01/20/2018
JESSE A. ROBERTS	07/19/2018
MICAH ROBERTS	06/13/2018
STEPHEN M. DUNBAR	07/18/2018
PETER J. TWAROG	07/27/2018
BRIAN J. CURRIER	06/01/2018
STEPHEN M. LIEBOLD	06/01/2018
BRETT A. HANSEN	06/01/2018
GARRETT K. QUILLIA	06/26/2018

RECEIVING PARTY DATA

Name:	HYPERTHERM, INC.
Street Address:	ETNA ROAD, P.O. BOX 5010
City:	HANOVER
State/Country:	NEW HAMPSHIRE
Postal Code:	03755

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15904871

CORRESPONDENCE DATA

Fax Number: (617)526-9899

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.

Phone: (617) 526-9706

Email: shynes@proskauer.com **Correspondent Name:** PROSKAUER ROSE LLP Address Line 1: ONE INTERNATIONAL PLACE

PATENT

REEL: 047171 FRAME: 0397 505120136

Address Line 4: BOSTON, MASSACHUSETTS 02110		
ATTORNEY DOCKET NUMBER:	HYP-130CP2	
NAME OF SUBMITTER:	GERALD E. WORTH	
SIGNATURE:	/Gerald E. Worth 45,238/	
DATE SIGNED:	10/01/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 26

source=HYP-130CP2 Complete Combined Declaration and Assignment#page1.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page2.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page3.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page4.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page5.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page6.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page7.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page8.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page9.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page10.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page11.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page12.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page13.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page14.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page15.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page16.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page17.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page18.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page19.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page20.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page21.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page22.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page23.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page24.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page25.tif source=HYP-130CP2 Complete Combined Declaration and Assignment#page26.tif

INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

1030

APPLICATION NO.:

15/904,871

FILING DATE:

February 26, 2018

TITLE:

Thread Connection for a Torch System

DECLARATION PURSUANT TO 37 C.F.R. § 1.63 AND ASSIGNMENT

I. DECLARATION

As the below named inventor, I hereby make the following declarations with respect to the above-identified patent application:

The above-identified application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application;

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims;

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application; and

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, Harshawardhan Jogdand, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged. I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made. I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for letters patent, including but not limited to any

cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all letters patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all letters patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein.

I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications.

I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved.

I hereby authorize and request the Director of the United States Patent and Trademark Office to issue such letters patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

	XII.	SIGNATURE BLOCK
IN TESTIMONY W	HEREOF, I ha	ve hereunto set my hand-and affixed my seal on the date set
forth below.		Inventor: Jogogdand
<u>NOTARIZATION</u>		Harshelwardhan Jogdand
State/Commonwealth of County of しん	M/m)ss	GARRETT KENT QUILLIA, Notary Public My Commission Expires December 20, 2018
On this <u>1</u> day of _ personally appeared <u>Harshaw</u> identification, which were on the preceding or attached	vardhan Joedano Knovato M	y presence.
WITNESSES		My Commission Expires: 12/20/18
Witness Signature: Witness Name: Witness Date:		Witness Signature: Witness Name: Witness Date:

INVENTOR(S):

Jogdand et al.

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, E. Michael Shipulski, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made. I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for letters patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all letters patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all letters patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein.

I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications.

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IN TEST	'IMONY W	<i>HEREOF</i> , I have h	ereunto set my hand-ai	nd affixed my seal on the date set
forth below.			Inventor:	Gus-
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NOTARIZATIO	914			i de la companya de
State/Commonw	- 6	NH)		TT KENT QUILLIA, Notary Public hission Expires December 20, 2018
County of	Grapton) ss		
personally appear which were preceding or attac	red <u>E. Mich</u> known	<u>ael Shipulski,</u> prove	d to me through satisfa	
WITNESSES				<i>\$ \$</i>
Witness Signatur Witness Name: Witness Date:	a:		Witness Signa Witness Name Witness Date:	2· ·

INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

1030

APPLICATION NO.: 15/904,871

FILING DATE:

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Thread Connection for a Torch System

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, David J. Cook, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

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III. SIGNATURE BLOCK

IN TESTIMONY WHEREOF, I have hereunto forth below.	set my band-and affixed my seal on the date set
	Inventor: David J. Cook
NOTARIZATION	
State/Commonwealth of NH) County of Graffen) ss	GARRETT KENT QUILLIA, Notary Public My Commission Expires December 20, 2018
On this 11 day of July, 2018 to personally appeared David J. Cook, proved to me through were known to me the peattached document in my presence.	in parietacion à candement ou incumite amont, maticil
WITNESSES	<i>\$</i> ,
Witness Signature: Witness Name: Witness Date:	Witness Signature: Witness Name: Witness Date:

INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

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	OF, I hav	e hereunto set my hand-and affixed my seal on the date set
forth below.		Inventor: Quel Latelle
<u>NOTARIZATION</u>		
State/Commonwealth of County of)) ss	
	hillier, pro	, 2018 before me, the undersigned notary public, ved to me through satisfactory evidence of identification,, to be the person whose name is signed on the ce.
		Notary Public My Commission Expires:
WITNESSES //	/	
Witness Signature: Ma Ma Witness Name: CHRIS LA Witness Date: 6-1-18	686	Witness Signature: Way Wille James Witness Name: Man Calloce Cames Witness Date: 67-18

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II. ASSIGNMENT

WHEREAS, I, Zheng Duan, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

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NOTARIZATION State/Commonwealth of //) County of Graffor) ss	GARRETT KENT QUILLIA, Notary Public My Commission Expires December 20, 2018
personally appeared Zheng Duan, proved to 1	, 2018 before me, the undersigned notary public, ne through satisfactory evidence of identification, which to be the person whose name is signed on the preceding or
WITNESSES	Notary Public My Commission Expires: 12/20/18
Witness Signature:	Witness Signature:
Witness Name:	Witness Name:
Witness Date	Witness Date

INVENTOR(S):

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WHEREAS, I, Jesse A. Roberts, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged. I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made. I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for letters patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all letters patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all letters patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein.

I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications.

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I hereby authorize and request the Director of the United States Patent and Trademark Office to issue such letters patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, I have hereur	ato set my hand-an	nd affixed my seal on	the date set
forth below.	J	j	
	Inventor	La. Re	to amillion
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On this 19 day of July 201	8 before me, the u	undersigned notary pul	blic, 0 // // // // // // // // // // // // /
personally appeared Jesse A. Roberts, proved to me the	hrough satisfactor	y evidence of identific	cation, which ar publish
were LICENSE, to be the	e person whose na	me is signed on the pr	eceding or """""""""""""""""""""""""""""""""""
attached document in my presence.	Sana	le H.Sh	Life and the
	Notary Public		10
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Witness Name:	Witness Name	***************************************	
Witness Date:	Witness Date:		

Attorney Docket No. HYP-130CP2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

1030

APPLICATION NO.:

15/904.871

FILING DATE:

February 26, 2018

TITLE:

Thread Connection for a Torch System

DECLARATION PURSUANT TO 37 C.F.R. § 1.63 AND ASSIGNMENT

I. DECLARATION

As the below named inventor, I bereby make the following declarations with respect to the above-identified patent application:

The above-identified application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application;

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims;

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application; and

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, Micah Roberts, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

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	300	. SIGNA	ATURE BLOC	K
IN TEST	MONY WHEREOF, I	have hereun	to set my hand-	and affixed my seal on the date set
forth below.			Inventor:	Mul Ato
NOTARIZATIO	Ā			
State/Commonwe	ealth of)	ı		
County of)	SS		
On this	day of	, 2018	8 before me, the	undersigned notary public,
personally appeare	ed Micah Roberts, prove	ed to me thro	ough satisfactory	vevidence of identification, which ame is signed on the preceding or
attached documen	in my presence.	min.		
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WITNESSES	o a	and the same of th	Try Solitation	- Million
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INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

1030

APPLICATION NO.:

15/904,871

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, Stephen M. Dunbar, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

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IN TESTIMONY WHEREOF, I ha	ive hereunto set my hand-and affixed my seal on the date set
forth below.	Nank 1
	Inventor: / / / / / / / / / / / / / / / / / / /
<u>NOTARIZATION</u>	,
State/Commonwealth of) County of Graffon) ss	GARRETT KENT QUILLIA, Notary Public My Commission Expires December 20, 2018
On this 18 day of July	, 2018 before me, the undersigned notary public, oved to me through satisfactory evidence of identification.
	, to be the person where name is signed on the
preceding or attached document in my prese	
	Notary Public My Commission Expires: 12/29/16
WITNESSES	
Witness Signature:	Witness Signature:
Witness Name:	Witness Name:
Witness Date:	Witness Date:

INVENTOR(S): Jogdand et al. CONFIRMATION NO.: 1030

APPLICATION NO.: 15/904,871 FILING DATE: February 26, 2018

TITLE: Thread Connection for a Torch System

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, Peter J. Twarog, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

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IN TESTIMONY H	HEREO	F, I have 1	nereunto set my hand-and affixed my seal on the date set
forth below.			Inventor: Eta V Linez
<u>NOTARIZATION</u>			Peter J. Twand
State/Commonwealth of County of Graffs n	NH)) ss	GARRETT KENT QUILLIA, Notary Public My Commission Expires December 20, 2018
		proved to	, 2018 before me, the undersigned notary public, me through satisfactory evidence of identification, which
were knew 16 Me attached document in my pre		, to	be the person whose stame to signed on the receding or
Malarcerc			Notary Public My Commission Expires: 12/20/18
VV & K.1 VKSSNSASIS			
Witness Signature:			Witness Signature:
Witness Name:			Witness Name:
Witness Date:			Witness Date:

INVENTOR(S): Jogdand et al. CONFIRMATION NO.: 1030

APPLICATION NO.: 15/904,871 FILING DATE: February 26, 2018

TITLE: Thread Connection for a Torch System

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I. DECLARATION

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II. ASSIGNMENT

WHEREAS, I, Brian J. Currier, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

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INVENTOR(S): Jogdand et al. CONFIRMATION NO.: 1030

APPLICATION NO.: 15/904,871 FILING DATE: February 26, 2018

TITLE: Thread Connection for a Torch System

DECLARATION PURSUANT TO 37 C.F.R. § 1.63 AND ASSIGNMENT

I. DECLARATION

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, Stephen M. Liebold, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

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	Inventor: Stephen M. Liebold
NOTARIZATION	GARRETT KENT QUILLIA, Notary Public My Commission Expires December 20, 2018
State/Commonwealth of MM) County of GraHon) se	
which were KNOWN Yo ME preceding or attached document in my prese	, 2018 before me, the undersigned notary public, oved to me through satisfactory evidence of identification, to be the person whose name is signed on the ence. Notary Public My Commission Expires: 12/2///
WITNESSES	
Witness Signature:	Witness Signature: Witness Name:
Witness Date:	Witness Date:

INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

1030

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WHEREAS, I, Breft A. Hansen, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made. I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for letters patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all letters patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all letters patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein.

I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications.

I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved.

I hereby authorize and request the Director of the United States Patent and Trademark Office to issue such letters patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

III. SIGNATURE BLOCK

IN TESTIMONY WHEREOF, I have hereunto set my hand-and affixed my seal on the date set forth below.

forth below.		
		Inventor: Brett A. Hansen
<u>NOTARIZATION</u>		
State/Commonwealth of)	
County of) ss	
On this day of personally appeared <u>Brett A. Hans</u> were attached document in my presence	en, proved to me , to be t	118 before me, the undersigned notary public, through satisfactory evidence of identification, which he person whose name is signed on the preceding or
		Notary Public
		My Commission Expires:
WITNESSES Witness Signature:		Witness Signature:
Witness Name: /AFCIT F	lanser	Witness Name: \(\tau \tau \tau \tau \tau \tau \tau \tau

INVENTOR(S):

Jogdand et al.

CONFIRMATION NO.:

1030

APPLICATION NO.:

15/904,871

FILING DATE:

February 26, 2018

TITLE:

Thread Connection for a Torch System

DECLARATION PURSUANT TO 37 C.F.R. § 1.63 AND ASSIGNMENT

I. DECLARATION

As the below named inventor, I hereby make the following declarations with respect to the above-identified patent application:

The above-identified application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application;

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims;

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application; and

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

II. ASSIGNMENT

WHEREAS, I, Garrett K. Quillia, have invented, solely or jointly, one or more inventions described in the above-identified patent application for letters patent; and

WHEREAS, Hypertherm, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the state/Commonwealth of New Hampshire, and having a usual place of business at Etna Road, P.O. Box 5010, Hanover, NH 03755, desires to acquire an interest therein, in accordance with agreements duly entered into with me.

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such letters patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such letters patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and letters patent to be held and enjoyed by said ASSIGNEE for its own

use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made. I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for letters patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all letters patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all letters patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein.

I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications.

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	III. SI	GNATURE BLOCK
IN TESTIM	MONY WHEREOF, I have he	reunto set my hand-and affixed my sear of the date set
ioini bolow.		Inventor:
NOTARIZATION		Garrett, K. Quillia
TACAR SERVING SECTION	Þ	Alman Comment
State/Commonwea	ilth of)	
County of) 88	
personally appeared which were	Garrett K. Quillia, proved to	2018 before me, the undersigned notary public, me through satisfactory evidence of identification, , to be the person whose name is signed on the
		Notary Public
		My Commission Expires:
WITNESSES	Va soll On -	\sim \sim \sim
Witness Signature:	11/1/10/1	Witness Signature: ///ary//
Witness Name: Witness Date:	4 34561 LDM	Witness Name: 1/1/a / f f f f f f f f f f f f f f f f f f
Willess Date.		17 MILES Dave

PATENT REEL: 047171 FRAME: 0424

RECORDED: 10/01/2018