PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

/ersion v1.1 EPAS ID: PAT3905249

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN GRECO	05/31/2016
RICHARD HEALEY	06/03/2016
ADAM NELSON	06/01/2016
PHILIP WATT	05/31/2016

RECEIVING PARTY DATA

Name:	SYNTHES USA PRODUCTS, LLC.
Street Address:	1302 WRIGHTS LANE EAST
City:	WEST CHESTER
State/Country:	PENNSYLVANIA
Postal Code:	19380

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15061713

CORRESPONDENCE DATA

Fax Number: (732)524-2808

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: 610-719-5231

Email: jnjuspatent@corus.jnj.com **Correspondent Name:** JOHNSON AND JOHNSON

Address Line 1: ONE JOHNSON AND JOHNSON PLAZA

Address Line 2: JOSEPH F. SHIRTZ

Address Line 4: NEW BRUNSWICK, NEW JERSEY 08933-7003

ATTORNEY DOCKET NUMBER:	DSP5215USNP
NAME OF SUBMITTER:	SUZANNE GANNON
SIGNATURE:	/SUZANNE GANNON/
DATE SIGNED:	06/07/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 8

PATENT REEL: 038825 FRAME: 0578

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PATENT REEL: 038825 FRAME: 0579

COMBINED DECLARATION AND ASSIGNMENT

COMB	INED.	DECLARATION AND ASSIGNMENT
Title of Invention: TORQUE LIMITIN	G LOCE	KING CAP
This declaration and assignment is directed t	o:	The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 15/061,713 filed on March 4, 2016.
Declaration		number <u>157001,715</u> fried off <u>ividien 4, 2010</u> .
As the below named inventor, I here	eby decla	are that:
The above-identified application ("A	Applicat	ion") was made or authorized by me.
I believe that I am the original inver	ntor or a	n original inventor of a claimed invention or discovery in the Application.
	ty as def	its of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or a for filings of this Application in the United States of America.
Assignment	A corpo	Synthes USA Products, LLC. 1302 Wrights Lane East West Chester, PA 19380 ration of the state or country of Delaware
		inafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable considerat assigned and transferred to Assignee:	ion, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application States, European Patent Office and of all of such inventions or discoveries and all rig continuations thereof, and to all Letters Pa supplementary protection certificates, reexamples.	n, all involute country in some country in standard in the country	the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United entries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, s, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.
Office, any other patent offices, and under t any reexamination of any of such applicat	he Paten ions, an	th the Application in the United States Patent and Trademark Office, European Patent at Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, d any patent term extensions or supplementary protection certificates of any such ents in connection with such applications as the Assignee may deem necessary or
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PATENT

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

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Signature

5/31/2016

COMBINED DECLARATION AND ASSIGNMENT

CO. (A. 7.)	PRIMEDRY I	VENERALISMIN ALTER AND PROTITION AND PROTITI
Title of Invention: TORQUE LIMITIN	io tock	ING_CAP
This declaration and assignment is directed	to:	The attached or filed herewith application of (list of named inventors),
	98.	
	Ø	The United States application or PCT international application number 15/061.713 filed on March 4, 2016.
Declaration		
As the below named inventor, I have	reby deck	are that:
The above-identified application ("	Applicati	on") was made or authorized by me.
I believe that I am the original inve	ntor or a	original inventor of a claimed invention or discovery in the Application.
	y as defin	its of the Application, including the claims, and I acknowledge the duty to disclose and in Title 37, the United States Code of Federal Regulations, \$1.56 for fillings of this
		statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.
Assignment		
		Synthes USA Products, LLC. 1302 Wrights Lane East West Chester, PA 19380
		ration of the state or country of <u>Delaware</u> inafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
58 °		
For good and valuable consideration and transferred to Assignee:	on, the su	fficiency of which is acknowledged, I hereby assign and transfer and/or have assigned
right to claim priority to the Application, all European Patent Office and of all other co- inventions or discoveries and all rights in a thereof, and to all Letters Patent that may protection certificates, reexaminations, rene	invention contries, uch Appi be grant wals, and ch such L	Application, including all priority rights for other countries arising therefrom and the use or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such lication including any and all provisionals, substitutions, divisions, and continuations ed for said inventions and discoveries, and in and to all extensions, supplementary I reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment effects Patent may be granted, as fully and entirely as the same would have been held been made.
Office, any other patent offices, and under any reexamination of any of such applica	the Paten	h the Application in the United States Patent and Trademark Office. European Patent t Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, d any patent term extensions or supplementary protection certificates of any such atts in connection with such applications as the Assignee may deem necessary or

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PATENT REEL: 038825 FRAME: 0582

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

PHILIP WATT Signature	5/31/16 Date
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COMBINED DECLARATION AND ASSIGNMENT

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Title of Invention: TORQUE LIMI	TING LOC	KING_CAP
This declaration and assignment is direc-	ted to:	The attached or filed herewith application of (list of named inventors),
	48.	
		The United States application or PCT international application number 15/061.713 filed on March 4, 2016.
Declaration		
As the below named inventor, I	hereby dec	iare that:
The above-identified application	n ("Applica	tion") was made or authorized by me.
I believe that I am the original i	nventor or s	an original inventor of a claimed invention or discovery in the Application.
	bility as defi	nts of the Application, including the claims, and I acknowledge the duty to disclose med in Title 37, the United States Code of Federal Regulations, § 1.56 for filings of this
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the for fillings of this Application in the United States of America.
Assignment		
		Synthes USA Products, LLC. 1302 Wrights Lane East West Chester, PA 19380
		pration of the state or country of <u>Delaware</u> sinafter designated as the "Assignee"),
		I the above-identified invention by previous assignment (attached hereto) to Assignee 5 Patent Office and I confirm I have and do assign and transfer:
88°		
For good and valuable consider and transferred to Assignee:	ation, the st	officiency of which is acknowledged, I hereby assign and transfer and/or have assigned
right to claim priority to the Application European Patent Office and of all othe inventions or discoveries and all rights thereof, and to all Letters Patent that a protection certificates, reexaminations, a	, all inventices, in such App in such App in y be gran enewals, an which such I	the Application, including all priority rights for other countries arising therefrom and the consor discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such plication including any and all provisionals, substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary ad reissues thereof, to be held and enjoyed by Assigned for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held to been made.
Office, any other patent offices, and une any reexamination of any of such app	der the Pate lications, at	ith the Application in the United States Patent and Trademark Office. European Patent nt Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, nd any patent term extensions or supplementary protection certificates of any such tents in connection with such applications as the Assignee may deem necessary or

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PATENT

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

ADAM NELSON	
16-2 16h	6/1/16
Signature	Date

COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: TORQUE LIMITING LOG	CKING CAP
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),
or	
\boxtimes	The United States application or PCT international application number 15/061,713 filed on March 4, 2016.
Declaration	
As the below named inventor, I hereby dec	clare that:
The above-identified application ("Application")	ation") was made or authorized by me.
I believe that I am the original inventor or	an original inventor of a claimed invention or discovery in the Application.
	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
Assignment	Synthes USA Products, LLC. 1302 Wrights Lane East West Chester, PA 19380
	oration of the state or country of <u>Delaware</u> reinafter designated as the "Assignee"),
	I the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the assigned and transferred to Assignee:	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all in States, European Patent Office and of all other co such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent the supplementary protection certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United untries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ns, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would nent and sale not been made.
	ith the Application in the United States Patent and Trademark Office, European Patent nt Cooperation Treaty, and any continuing, divisional, or reissue applications thereof

Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or

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expedient.

PATENT

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

RICHARD HEALEY		
Rul & H	ealin	03-June-2016
Signature	1	Date

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