

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7562203

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BAXALTA GMBH	12/05/2020
BAXALTA INCORPORATED	12/05/2020
RECEIVING PARTY DATA	
Name:	TAKEDA PHARMACEUTICAL COMPANY LIMITED
Street Address:	1-1, DOSHOMACHI 4-CHOME, CHUO-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Postal Code:	540-8645
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17688588
CORRESPONDENCE DATA	
Fax Number:	(212)704-6288
<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>	
Phone:	2127046000
Email:	IPservicesNYC@troutman.com, rosalee.leeds@troutman.com
Correspondent Name:	TROUTMAN PEPPER HAMILTON SANDERS LLP
Address Line 1:	875 THIRD AVENUE
Address Line 4:	NEW YORK, NEW YORK 10022
ATTORNEY DOCKET NUMBER:	250478.002208
NAME OF SUBMITTER:	ROSALEE LEEDS
SIGNATURE:	/Rosalee Leeds/
DATE SIGNED:	09/28/2022
Total Attachments: 14	
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CONFIRMATORY PATENT ASSIGNMENT

WHEREAS, on December 5, 2020, Baxalta GmbH, a limited liability company organized under the laws of Switzerland, and having a place of business at Thurgauerstrasse 130, 8152 Glattpark (Opfikon), Zurich, Switzerland and Baxalta Incorporated, a corporation organized under the laws of the State of Delaware, USA, and having a place of business at 1200 Lakeside Drive, Bannockburn, Illinois, 60015 USA (the "Assignors"), were the owners of the patent(s) and application(s) identified in attached Schedule A ("the Patent(s)"); and

WHEREAS, on December 5, 2020, Takeda Pharmaceutical Company Limited, a public stock corporation organized under the laws of Japan and having a place of business at 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan (the "Assignee"), was desirous of acquiring the Patent(s), and related invention(s) thereof;

NOW, THEREFORE Assignors confirm that effective on December 5, 2020, for good and valuable consideration, the receipt of which was acknowledged therein and is hereby confirmed, Assignors sold, assigned and transferred unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the Patent(s), and the invention(s) disclosed and claimed therein, and any Letters Patent which may thereafter be granted on the same in the United States and all countries throughout the world including any reissues, divisions, renewals, continuations in whole or in part, substitutions, conversions, reexaminations, prolongations, provisionals or extensions thereof, as well as rights to any and all existing causes of action and the right to past damages associated therewith, and all rights under the Paris Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patent(s) may be granted as fully and entirely as the same would have been held and enjoyed by Assignor had the sale and assignment not been made.

Assignors hereby further confirm that Assignee was granted the right to update the bibliographic information found in the attached Schedule A from time to time, including but not limited to adding the patent application numbers and patent numbers for those filings that fall under the scope of the above grant, such that this Agreement can be recorded with the respective global patent offices and ministries.

Assignee hereby grants a limited power of attorney for the purpose of recording this assignment in the United States and all other countries throughout the world to the practitioners listed on the power of attorney attached herewith and further grant the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or any other patent office worldwide for recordation of this document.

IN WITNESS WHEREOF, Assignor, by its duly authorized officer, has executed this Confirmatory Assignment in Sudbury, Massachusetts, USA as of this 5 day of DEC, 2020.

ON BEHALF OF Baxalta GmbH

By: [Signature]
Printed Name: Patrick Eagelman
Title: Authorized Signatory, Vice President Intellectual Property

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

§
§
§
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AC 12/15/20

Amanda Cucchiara

On this 5 day of December, 2020 before me, ~~Noreen Buckley~~, Notary Public, personally appeared Patrick Eagelman, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

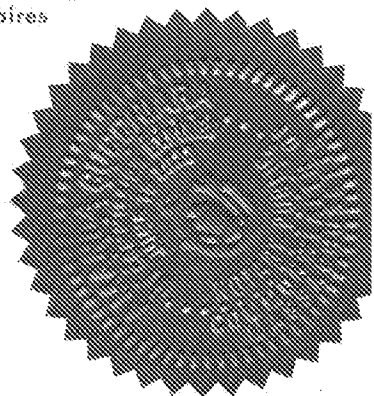
[Signature]

NOTARY PUBLIC

My Commission Expires: ~~26 September 2023~~



AMANDA CUCCHIARA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 15, 2023



IN WITNESS WHEREOF, Assignor, by its duly authorized officer, has executed this Confirmatory Assignment in Belmont, Massachusetts, USA as of this 5th day of December, 2020.

ON BEHALF OF Baxalta GmbH

By: Jessica Jamieson

Printed Name: Jessica Jamieson
Title: Authorized Signatory, IP TA Head

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

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AC 12/5/20

On this 5 day of December, 2020 before me, Amanda Cucchiara, Notary Public, personally appeared Jessica Jamieson, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

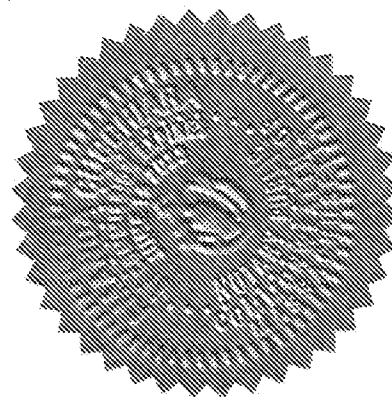
WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: ~~28 September 2023~~



AMANDA CUCCHIARA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 15, 2023



IN WITNESS WHEREOF, Assignor, by its duly authorized officer, has executed this Confirmatory Assignment in Sudbury, Massachusetts, USA as of this 5 day of Dec, 2020.

ON BEHALF OF Baxalta Incorporated

By: [Signature]

Printed Name: Patrick Eagelman

Title: Authorized Signatory, Vice President Intellectual Property

STATE OF MASSACHUSETTS

§

§

COUNTY OF MIDDLESEX

§

AC
12/15/20

On this 5 day of December, 2020 before me, Amanda Cucchiara, Notary Public, personally appeared Patrick Eagelman, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

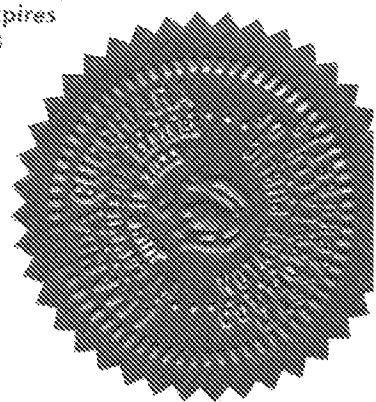
WITNESS my hand and official seal.

[Signature]
NOTARY PUBLIC

My Commission Expires 28 September 2023.



AMANDA CUCCHIARA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 15, 2023



IN WITNESS WHEREOF, Assignee, by its duly authorized officer, has executed this Confirmatory Assignment in Belmont, Massachusetts, USA as of this 5th day of December 2020.

ON BEHALF OF Takeda Pharmaceutical Company Limited

By: Margo J.

Printed Name: Margo Furman
Title: Authorized Signatory, IP TA Head

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

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AC
12/5/20

On this 5 day of December, 2020 before me, Amanda Cucchiara, Notary Public, personally appeared Margo Furman, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument

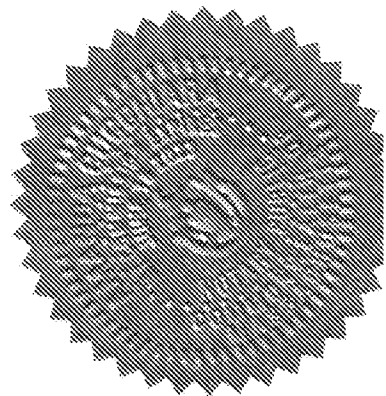
WITNESS my hand and official seal.

A. Cucchiara

NOTARY PUBLIC
My Commission Expires: ~~26 September 2023~~



AMANDA CUCCHIARA
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 15, 2023



Schedule A

Patent Ref	Family	Status	Country	App No.	Filed Date	Patent No.	Assignor
PAT13126US02	3126	Granted	USA	10/547172	2004-02-27	8986607	Baxalta GmbH; Baxalta Incorporated
PAT3554US02	3554	Granted	USA	10/614037	2003-07-08	7955833	Baxalta GmbH; Baxalta Incorporated
PAT3554DIVUS03	3554	Granted	USA	13/102765	2011-05-06	8524497	Baxalta GmbH; Baxalta Incorporated
PAT3554DIVUS04	3554	Granted	USA	13/960481	2013-08-06	9163211	Baxalta GmbH; Baxalta Incorporated
PAT3847DIVUS02	3847	Granted	USA	12/388450	2009-02-18	8795999	Baxalta GmbH; Baxalta Incorporated
PAT3884PRIUS01	3884	Granted	USA	10/661366	2003-09-12	7297336	Baxalta GmbH; Baxalta Incorporated
PAT3887PRIUS01	3887	Granted	USA	10/422052	2003-04-22	7763430	Baxalta GmbH; Baxalta Incorporated
PAT3887DIVUS02	3887	Granted	USA	12/829872	2010-07-02	7943326	Baxalta GmbH; Baxalta Incorporated
PAT3921PRIUS01	3921	Granted	USA	10/457283	2003-06-06	6948522	Baxalta GmbH; Baxalta Incorporated
PAT4170DIVUS06	4170	Granted	USA	11/374484	2006-03-09	8158341	Baxalta GmbH; Baxalta Incorporated
PAT4197CONUS02	4197	Granted	USA	13/539154	2012-06-29	8735086	Baxalta GmbH; Baxalta Incorporated
PAT4257US02	4257	Granted	USA	11/116791	2005-04-28	7427674	Baxalta GmbH; Baxalta Incorporated
PAT4314US02	4314	Granted	USA	11/158771	2005-06-22	7424821	Baxalta GmbH; Baxalta Incorporated
PAT4317PRIUS01	4317	Granted	USA	10/924579	2004-08-24	7993580	Baxalta GmbH; Baxalta Incorporated
PAT4317DIVUS02	4317	Granted	USA	13/100570	2011-05-04	8377375	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS06	4361	Granted	USA	12/965111	2010-12-10	8440408	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS08	4361	Granted	USA	13/864118	2013-04-16	8748156	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS09	4361	Granted	USA	14/268859	2014-05-02	9222075	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS10	4361	Granted	USA	14/954705	2015-11-30	9714411	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS03	4361	Granted	USA	15/598406	2017-05-18	9809796	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS04	4361	Granted	USA	15/712408	2004-10-29	10138461	Baxalta GmbH; Baxalta Incorporated
PAT4361CONUS14	4361	Granted	USA	16/173420	2004-10-29	10655099	Baxalta GmbH; Baxalta Incorporated
PAT4398US05	4398	Granted	USA	11/317582	2005-12-23	7884075	Baxalta GmbH; Baxalta Incorporated
PAT4398DIVUS06	4398	Granted	USA	13/007208	2011-01-14	8076463	Baxalta GmbH; Baxalta Incorporated
PAT4398CONUS07	4398	Granted	USA	13/305334	2011-11-28	8357779	Baxalta GmbH; Baxalta Incorporated
PAT4398CIPUS08	4398	Granted	USA	13/724831	2012-12-21	8835388	Baxalta GmbH; Baxalta Incorporated
PAT4551PRIUS01	4551	Granted	USA	11/202349	2005-08-11	7807435	Baxalta GmbH; Baxalta Incorporated
PAT4777US02	4777	Granted	USA	12/342405	2008-12-23	8557534	Baxalta GmbH; Baxalta Incorporated
PAT4777CONUS03	4777	Granted	USA	14/026146	2013-09-13	9547016	Baxalta GmbH; Baxalta Incorporated
PAT4853US03	4853	Granted	USA	11/683362	2007-03-07	7375084	Baxalta GmbH; Baxalta Incorporated
PAT4853CONUS04	4853	Granted	USA	12/058473	2008-03-28	7575897	Baxalta GmbH; Baxalta Incorporated
PAT4882US02	4882	Granted	USA	12/037735	2008-02-26	8399632	Baxalta GmbH; Baxalta Incorporated
PAT4882CONUS03	4882	Pending	USA	13/765531	2013-02-12		Baxalta GmbH; Baxalta Incorporated

PATENT

REEL: 061556 FRAME: 0432

Schedule A

Patent Ref	Family	Status	Country	App No.	Filed Date	Patent No.	Assignor
PAT4886CONUS04	4886	Granted	USA	14/942771	2015-11-16	9758568	Baxalta GmbH; Baxalta Incorporated
PAT4886CONUS02	4886	Granted	USA	15/670217	2017-08-07	10696731	Baxalta GmbH; Baxalta Incorporated
PAT4960US03	4960	Granted	USA	11/729625	2007-03-29	7683158	Baxalta GmbH; Baxalta Incorporated
PAT4960CONUS04	4960	Granted	USA	12/719265	2010-03-08	8053561	Baxalta GmbH; Baxalta Incorporated
PAT4966US02	4966	Granted	USA	12/267491	2008-11-07	8173597	Baxalta GmbH; Baxalta Incorporated
PAT4974US02	4974	Granted	USA	11/956634	2007-12-14	8637007	Baxalta GmbH; Baxalta Incorporated
PAT4974CONUS05	4974	Granted	USA	14/946286	2015-11-19	10251941	Baxalta GmbH; Baxalta Incorporated
PAT4993US02	4993	Granted	USA	12/389265	2009-02-19	8399249	Baxalta GmbH; Baxalta Incorporated
PAT5026US03	5026	Granted	USA	12/215218	2008-06-25	7700551	Baxalta GmbH; Baxalta Incorporated
PAT5026DIVUS04	5026	Granted	USA	12/688461	2010-01-15	8445544	Baxalta GmbH; Baxalta Incorporated
PAT5067US02	5067	Granted	USA	12/152762	2008-05-16	8058411	Baxalta GmbH; Baxalta Incorporated
PAT5096US02	5096	Granted	USA	12/124390	2008-05-21	8343748	Baxalta GmbH; Baxalta Incorporated
PAT5097US02	5097	Granted	USA	12/022059	2008-01-29	8022187	Baxalta GmbH; Baxalta Incorporated
PAT5097CONUS03	5097	Granted	USA	13/096894	2011-04-28	8513386	Baxalta GmbH; Baxalta Incorporated
PAT5098US03	5098	Granted	USA	12/425277	2009-04-16	8563688	Baxalta GmbH; Baxalta Incorporated
PAT5098DIVUS04	5098	Granted	USA	13/238751	2009-04-16	8822638	Baxalta GmbH; Baxalta Incorporated
PAT5098DIVUS05	5098	Granted	USA	14/340231	2009-04-16	9206234	Baxalta GmbH; Baxalta Incorporated
PAT5098DIVUS06	5098	Granted	USA	14/941163	2009-04-16	9598464	Baxalta GmbH; Baxalta Incorporated
PAT5098DIVUS07	5098	Granted	USA	15/443949	2009-04-16	10287319	Baxalta GmbH; Baxalta Incorporated
PAT5098DIVUS08	5098	Pending	USA	16/359763	2009-04-16		Baxalta GmbH; Baxalta Incorporated
PAT5266US02	5266	Granted	USA	13/217967	2011-08-25	8545476	Baxalta GmbH; Baxalta Incorporated
PAT5279US02	5279	Granted	USA	12/215217	2008-06-25	7714147	Baxalta GmbH; Baxalta Incorporated
PAT5279CONUS03	5279	Granted	USA	12/757622	2010-04-09	8871949	Baxalta GmbH; Baxalta Incorporated
PAT5316US02	5316	Granted	USA	12/189367	2008-08-11	7968293	Baxalta GmbH; Baxalta Incorporated
PAT5340US02	5340	Granted	USA	12/578948	2009-10-14	8143347	Baxalta GmbH; Baxalta Incorporated
PAT5341US02	5341	Granted	USA	12/549247	2009-08-27	8388847	Baxalta GmbH; Baxalta Incorporated
PAT5401US02	5401	Granted	USA	12/341807	2008-12-22	9359629	Baxalta GmbH; Baxalta Incorporated
PAT5401CONUS03	5401	Pending	USA	15/145618	2008-12-22		Baxalta GmbH; Baxalta Incorporated
PAT5404US02	5404	Granted	USA	12/341733	2008-12-22	7959809	Baxalta GmbH; Baxalta Incorporated
PAT5404US03	5404	Granted	USA	12/860411	2010-08-20	8075781	Baxalta GmbH; Baxalta Incorporated
PAT5404US04	5404	Granted	USA	12/860424	2010-08-20	8075782	Baxalta GmbH; Baxalta Incorporated
PAT5404CONUS05	5404	Granted	USA	13/297587	2011-11-16	8454833	Baxalta GmbH; Baxalta Incorporated
PAT5467CONUS03	5467	Granted	USA	12/960093	2010-12-03	9127264	Baxalta GmbH; Baxalta Incorporated

PATENT

REEL: 061556 FRAME: 0433

Schedule A

Patent Ref	Family	Status	Country	App No.	Filed Date	Patent No.	Assignor
PAT5481US02	5481	Granted	USA	12/842944	2010-07-23	8304524	Baxalta GmbH; Baxalta Incorporated
PAT5481CONUS04	5481	Granted	USA	13/830918	2013-03-14	8822656	Baxalta GmbH; Baxalta Incorporated
PAT5481DIVUS03	5481	Granted	USA	13/633057	2012-10-01	9109044	Baxalta GmbH; Baxalta Incorporated
PAT5487US02	5487	Granted	USA	12/617063	2009-11-12	8288101	Baxalta GmbH; Baxalta Incorporated
PAT5490CONUS03	5490	Pending	USA	14/693078	2015-04-22		Baxalta GmbH; Baxalta Incorporated
PAT5492US02	5492	Granted	USA	12/545406	2009-08-21	8653131	Baxalta GmbH; Baxalta Incorporated
PAT5492DIVUS03	5492	Granted	USA	14/153641	2014-01-13	8962549	Baxalta GmbH; Baxalta Incorporated
PAT5493PCTUS02	5493	Granted	USA	13/002501	2009-08-21	8546096	Baxalta GmbH; Baxalta Incorporated
PAT5494PRIUS01	5494	Granted	USA	12/184567	2008-08-01	7645860	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS04	5494	Granted	USA	12/684509	2010-01-08	7982010	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS02	5494	Granted	USA	12/684456	2010-01-08	7985838	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS03	5494	Granted	USA	12/684482	2010-01-08	7985839	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS05	5494	Granted	USA	12/684536	2010-01-08	8003760	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS06	5494	Granted	USA	13/010607	2011-01-20	8067543	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS07	5494	Granted	USA	13/010610	2011-01-20	8071724	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS08	5494	Granted	USA	13/010616	2011-01-20	8071725	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS09	5494	Granted	USA	13/010622	2011-01-20	8071726	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS10	5494	Granted	USA	13/010625	2011-01-20	8071727	Baxalta GmbH; Baxalta Incorporated
PAT5494DIVUS11	5494	Granted	USA	13/010627	2011-01-20	8071728	Baxalta GmbH; Baxalta Incorporated
PAT5494CONUS016	5494	Pending	USA	16/285394	2016-07-19		Baxalta GmbH; Baxalta Incorporated
PAT5547CONUS04	5547	Granted	USA	14/939364	2009-10-21	10232022	Baxalta GmbH; Baxalta Incorporated
PAT5547DIVUS05	5547	Pending	USA	16/258488	2009-10-21		Baxalta GmbH; Baxalta Incorporated
PAT5547DIVUS06	5547	Pending	USA	16/258490	2009-10-21		Baxalta GmbH; Baxalta Incorporated
PAT5550CONUS05	5550	Pending	USA	16/175744	2018-10-30		Baxalta GmbH; Baxalta Incorporated
PAT5694US02	5694	Granted	USA	12/381844	2009-03-16	10301376	Baxalta GmbH; Baxalta Incorporated
PAT5697US02	5697	Granted	USA	12/617578	2009-11-12	9783792	Baxalta GmbH; Baxalta Incorporated
PAT5714US02	5714	Granted	USA	12/643818	2009-12-21	8466108	Baxalta GmbH; Baxalta Incorporated
PAT5714DIVUS03	5714	Granted	USA	13/827160	2013-03-14	9,777,051	Baxalta GmbH; Baxalta Incorporated
PAT5714DIVUS04	5714	Pending	USA	15/681074	2017-08-18		Baxalta GmbH; Baxalta Incorporated
PAT5715US02	5715	Granted	USA	13/098313	2011-04-29	10202416	Baxalta GmbH; Baxalta Incorporated
PAT5761US02	5761	Granted	USA	12/789345	2010-05-27	8546548	Baxalta GmbH; Baxalta Incorporated
PAT5761CONUS03	5761	Granted	USA	13/949565	2010-05-27	9175068	Baxalta GmbH; Baxalta Incorporated
PAT5761DIVUS04	5761	Granted	USA	14/855686	2010-05-27	10125189	Baxalta GmbH; Baxalta Incorporated

PATENT

REEL: 061556 FRAME: 0434

Schedule A

Patent Ref	Family	Status	Country	App No.	Filed Date	Patent No.	Assignor
PAT5761CONUS05	5761	Pending	USA	16/188839	2010-05-27		Baxalta GmbH; Baxalta Incorporated
PAT5762US02	5762	Granted	USA	12/847999	2010-07-30	8313926	Baxalta GmbH; Baxalta Incorporated
PAT5762CONUS03	5762	Granted	USA	13/622939	2012-09-19	8759026	Baxalta GmbH; Baxalta Incorporated
PAT5762CONUS04	5762	Granted	USA	14/276819	2014-05-13	9127265	Baxalta GmbH; Baxalta Incorporated
PAT5762CONUS05	5762	Granted	USA	14/807745	2015-07-23	9441216	Baxalta GmbH; Baxalta Incorporated
PAT5762CONUS06	5762	Granted	USA	15/232626	2010-07-30	10072254	Baxalta GmbH; Baxalta Incorporated
PAT5762CONUS07	5762	Granted	USA	16/125688	2010-07-30	10724024	Baxalta GmbH; Baxalta Incorporated
PAT5772PCTUS02	5772	Granted	USA	15/108592	2014-12-18	10527551	Baxalta GmbH; Baxalta Incorporated
PAT5772CONUS03	5772	Pending	USA	16/694789	2014-12-18		Baxalta GmbH; Baxalta Incorporated
PAT5773US02	5773	Granted	USA	12/807991	2010-09-16	9084743	Baxalta GmbH; Baxalta Incorporated
PAT5779US02	5779	Granted	USA	12/860501	2010-08-20	9315560	Baxalta GmbH; Baxalta Incorporated
PAT5780US02	5780	Granted	USA	12/449712	2008-02-01	8748595	Baxalta GmbH; Baxalta Incorporated
PAT5780CONUS03	5780	Granted	USA	14/267791	2014-05-01	9234051	Baxalta GmbH; Baxalta Incorporated
PAT5781US02	5781	Granted	USA	11/140504	2005-05-27	7767654	Baxalta GmbH; Baxalta Incorporated
PAT5781US03	5781	Granted	USA	12/386026	2009-04-13	7829549	Baxalta GmbH; Baxalta Incorporated
PAT5781CONUS05	5781	Granted	USA	13/111746	2011-05-19	8771973	Baxalta GmbH; Baxalta Incorporated
PAT5781CONUS04	5781	Granted	USA	12/893798	2010-09-29	8859526	Baxalta GmbH; Baxalta Incorporated
PAT5784US02	5784	Granted	USA	12/650095	2009-12-30	9051544	Baxalta GmbH; Baxalta Incorporated
PAT5784DIVUS03	5784	Granted	USA	14/717346	2015-05-20	9464269	Baxalta GmbH; Baxalta Incorporated
PAT5785US02	5785	Granted	USA	12/847921	2010-07-30	8580554	Baxalta GmbH; Baxalta Incorporated
PAT5785DIVUS03	5785	Granted	USA	14/050710	2010-07-30	9650612	Baxalta GmbH; Baxalta Incorporated
PAT5785CONUS04	5785	Granted	USA	15/486181	2010-07-30	10221400	Baxalta GmbH; Baxalta Incorporated
PAT5785CONUS05	5785	Granted	USA	16/252216	2010-07-30	10745672	Baxalta GmbH; Baxalta Incorporated
PAT5786US02	5786	Granted	USA	12/630509	2009-12-03	8415114	Baxalta GmbH; Baxalta Incorporated
PAT5786DIVUS03	5786	Granted	USA	13/795214	2013-03-12	8623612	Baxalta GmbH; Baxalta Incorporated
PAT5786DIVUS04	5786	Granted	USA	14/078324	2013-11-12	9110085	Baxalta GmbH; Baxalta Incorporated
PAT5786DIVUS05	5786	Granted	USA	14/549404	2009-12-03	9488651	Baxalta GmbH; Baxalta Incorporated
PAT5786CONUS06	5786	Granted	USA	15/345070	2009-12-03	10209263	Baxalta GmbH; Baxalta Incorporated
PAT5786DIVUS07	5786	Pending	USA	16/248868	2009-12-03		Baxalta GmbH; Baxalta Incorporated
PAT5787US02	5787	Granted	USA	12/847956	2010-07-30	8945895	Baxalta GmbH; Baxalta Incorporated
PAT5787CONUS03	5787	Pending	USA	14/571670	2014-12-16		Baxalta GmbH; Baxalta Incorporated
PAT5806US02	5806	Granted	USA	12/887424	2010-09-21	8623352	Baxalta GmbH; Baxalta Incorporated
PAT5806CONUS03	5806	Granted	USA	14/088169	2013-11-22	9351935	Baxalta GmbH; Baxalta Incorporated

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PAT5806DIVUS04	5806	Granted	USA	15/145755	2016-05-03	9572778	Baxalta GmbH; Baxalta Incorporated
PAT5806DIVUS05	5806	Granted	USA	15/400526	2017-01-06	9937244	Baxalta GmbH; Baxalta Incorporated
PAT5806CONUS06	5806	Granted	USA	15/908213	2010-09-21	10238720	Baxalta GmbH; Baxalta Incorporated
PAT5806CONUS08	5806	Pending	USA	16/275690	2010-09-21		Baxalta GmbH; Baxalta Incorporated
PAT5810US05	5810	Granted	USA	12/843542	2010-07-26	8637640	Baxalta GmbH; Baxalta Incorporated
PAT5810CONUS08	5810	Granted	USA	15/249657	2010-07-26	10350301	Baxalta GmbH; Baxalta Incorporated
PAT5810CONUS09	5810	Pending	USA	16/447134	2010-07-26		Baxalta GmbH; Baxalta Incorporated
PAT5817US02	5817	Granted	USA	12/786641	2010-05-25	8216793	Baxalta GmbH; Baxalta Incorporated
PAT5833US02	5833	Granted	USA	13/189390	2011-07-22	8841248	Baxalta GmbH; Baxalta Incorporated
PAT5833CONUS03	5833	Granted	USA	14/463533	2011-07-22	9505814	Baxalta GmbH; Baxalta Incorporated
PAT5841CONUS02	5841	Granted	USA	13/085056	2010-05-27	8796430	Baxalta GmbH; Baxalta Incorporated
PAT5841CONUS03	5841	Granted	USA	13/653332	2010-05-27	8940877	Baxalta GmbH; Baxalta Incorporated
PAT5841US01	5841	Granted	USA	12/789365	2010-05-27	8993734	Baxalta GmbH; Baxalta Incorporated
PAT5841CONUS06	5841	Pending	USA	15/807512	2010-05-27		Baxalta GmbH; Baxalta Incorporated
PAT5844US02	5844	Granted	USA	13/315376	2011-12-09	9643998	Baxalta GmbH; Baxalta Incorporated
PAT5849PCTUS02	5849	Granted	USA	14/351544	2012-10-12	9701710	Baxalta GmbH; Baxalta Incorporated
PAT5849CONUS03	5849	Granted	USA	15/615696	2017-06-06	10723761	Baxalta GmbH; Baxalta Incorporated
PAT5860CONUS08	5860	Granted	USA	13/179386	2011-07-08	8852888	Baxalta GmbH; Baxalta Incorporated
PAT5860US02	5860	Granted	USA	13/179386	2011-07-08	8852888	Baxalta GmbH; Baxalta Incorporated
PAT5860DIVUS03	5860	Granted	USA	14/339319	2014-07-23	9409971	Baxalta GmbH; Baxalta Incorporated
PAT5860DIVUS05	5860	Granted	USA	15/201125	2011-07-08	9834591	Baxalta GmbH; Baxalta Incorporated
PAT5860CONUS02	5860	Granted	USA	15/591022	2011-07-08	10100099	Baxalta GmbH; Baxalta Incorporated
PAT5860DIVUS08	5860	Pending	USA	17/086072	2020-10-30		Baxalta GmbH; Baxalta Incorporated
PAT5860CONUS03	5860	Pending	USA	16/125141	2011-07-08		Baxalta GmbH; Baxalta Incorporated
PAT5869US02	5869	Granted	USA	13/026070	2011-02-11	8450275	Baxalta GmbH; Baxalta Incorporated
PAT5869DIVUS03	5869	Granted	USA	13/846359	2013-03-18	9018167	Baxalta GmbH; Baxalta Incorporated
PAT5869CONUS04	5869	Granted	USA	14/677581	2015-04-02	9556230	Baxalta GmbH; Baxalta Incorporated
PAT5869CONUS05	5869	Granted	USA	15/373742	2011-02-11	10201586	Baxalta GmbH; Baxalta Incorporated
PAT5869DIVUS06	5869	Pending	USA	16/246987	2011-02-11		Baxalta GmbH; Baxalta Incorporated
PAT5875US03	5875	Granted	USA	13/194038	2010-07-26	8642737	Baxalta GmbH; Baxalta Incorporated
PAT5875CIPUS04	5875	Granted	USA	13/488043	2012-06-04	8809501	Baxalta GmbH; Baxalta Incorporated
PAT5875CONUS05	5875	Granted	USA	14/136233	2013-12-20	9492555	Baxalta GmbH; Baxalta Incorporated
PAT5875CONUS06	5875	Granted	USA	14/333824	2012-06-04	9731024	Baxalta GmbH; Baxalta Incorporated

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PAT5875CONUS07	5875	Granted	USA	15/281616	2011-07-29	10414793	Baxalta GmbH; Baxalta Incorporated
PAT5875DIVUS08	5875	Granted	USA	15/644129	2012-06-04	10,576,160	Baxalta GmbH; Baxalta Incorporated
PAT5875CONUS04	5875	Pending	USA	16/748296	2020-01-21		Baxalta GmbH; Baxalta Incorporated
PAT5875CONUS09	5875	Pending	USA	16/532212	2011-07-29		Baxalta GmbH; Baxalta Incorporated
PAT5877US02	5877	Granted	USA	13/475634	2012-05-18	8785139	Baxalta GmbH; Baxalta Incorporated
PAT5900US03	5900	Granted	USA	13/410114	2012-03-01	8603830	Baxalta GmbH; Baxalta Incorporated
PAT5905US04	5905	Granted	USA	13/283452	2011-10-27	8969524	Baxalta GmbH; Baxalta Incorporated
PAT5905DIVUS05	5905	Granted	USA	14/604622	2015-01-23	9512198	Baxalta GmbH; Baxalta Incorporated
PAT5927US02	5927	Granted	USA	13/455979	2012-04-25	8652793	Baxalta GmbH; Baxalta Incorporated
PAT5932DIVUS03	5932	Pending	USA	16/033042	2012-05-25		Baxalta GmbH; Baxalta Incorporated
PAT5937US02	5937	Granted	USA	13/325778	2011-12-14	9488625	Baxalta GmbH; Baxalta Incorporated
PAT5938CONUS03	5938	Pending	USA	15/389291	2016-12-22		Baxalta GmbH; Baxalta Incorporated
PAT5944US03	5944	Granted	USA	13/329002	2011-12-16	8945897	Baxalta GmbH; Baxalta Incorporated
PAT5949US02	5949	Granted	USA	13/552569	2012-07-18	8846620	Baxalta GmbH; Baxalta Incorporated
PAT5966US05	5966	Granted	USA	12/858369	2010-08-17	8252913	Baxalta GmbH; Baxalta Incorporated
PAT5967US01	5967	Granted	USA	13/117028	2011-05-26	8772462	Baxalta GmbH; Baxalta Incorporated
PAT5967CONUS03	5967	Granted	USA	13/830815	2013-03-14	8889838	Baxalta GmbH; Baxalta Incorporated
PAT5967DIVUS02	5967	Granted	USA	13/633697	2012-10-02	8921520	Baxalta GmbH; Baxalta Incorporated
PAT5967DIVUS04	5967	Granted	USA	14/296319	2014-06-04	9468675	Baxalta GmbH; Baxalta Incorporated
PAT5967DIVUS05	5967	Granted	USA	15/151302	2016-05-10	9708391	Baxalta GmbH; Baxalta Incorporated
PAT5967CONUS06	5967	Granted	USA	15/619346	2011-05-26	10208106	Baxalta GmbH; Baxalta Incorporated
PAT5967CONUS07	5967	Pending	USA	16/241551	2011-05-26		Baxalta GmbH; Baxalta Incorporated
PAT5971US03	5971	Granted	USA	14/086947	2013-11-21	9808570	Baxalta GmbH; Baxalta Incorporated
PAT5971PCTUS02	5971	Granted	USA	14/400429	2012-12-20	9889248	Baxalta GmbH; Baxalta Incorporated
PAT5978US02	5978	Granted	USA	13/714309	2012-12-13	9075069	Baxalta GmbH; Baxalta Incorporated
PAT5979CONUS04	5979	Granted	USA	13/921417	2013-06-19	9670456	Baxalta GmbH; Baxalta Incorporated
PAT5979US02	5979	Granted	USA	13/921417	2013-06-19	9670456	Baxalta GmbH; Baxalta Incorporated
PAT5980US02	5980	Granted	USA	13/776448	2013-02-25	9782477	Baxalta GmbH; Baxalta Incorporated
PAT5981US02	5981	Granted	USA	13/488324	2012-06-04	8877473	Baxalta GmbH; Baxalta Incorporated
PAT5981CONUS03	5981	Granted	USA	14/497202	2014-09-25	9662376	Baxalta GmbH; Baxalta Incorporated
PAT5982PCTUS02	5982	Granted	USA	14/351541	2012-10-12	10378004	Baxalta GmbH; Baxalta Incorporated
PAT5985US02	5985	Granted	USA	13/595967	2012-08-27	9403899	Baxalta GmbH; Baxalta Incorporated
PAT5991US02	5991	Granted	USA	13/565046	2012-08-02	9534037	Baxalta GmbH; Baxalta Incorporated

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PAT6027US01	6027	Granted	USA	13/179399	2011-07-08	9458222	Baxalta GmbH; Baxalta Incorporated
PAT6038US02	6038	Granted	USA	13/781283	2013-02-28	8986670	Baxalta GmbH; Baxalta Incorporated
PAT6038DIVUS03	6038	Granted	USA	14/625542	2013-02-28	9834593	Baxalta GmbH; Baxalta Incorporated
PAT6038CONUS04	6038	Granted	USA	15/798313	2013-02-28	10494418	Baxalta GmbH; Baxalta Incorporated
PAT6038CONUS05	6038	Pending	USA	16/657920	2013-02-28		Baxalta GmbH; Baxalta Incorporated
PAT6078US04	6078	Granted	USA	13/493926	2012-06-11	9272021	Baxalta GmbH; Baxalta Incorporated
PAT6078CONUS05	6078	Pending	USA	14/985212	2012-06-11		Baxalta GmbH; Baxalta Incorporated
PAT6114PRIUS01	6114	Granted	USA	13/456341	2012-04-26	8684433	Baxalta GmbH; Baxalta Incorporated
PAT6127US03	6127	Granted	USA	13/739812	2013-01-11	10274500	Baxalta GmbH; Baxalta Incorporated
PAT6127CONUS04	6127	Pending	USA	16/298520	2013-01-11		Baxalta GmbH; Baxalta Incorporated
PAT6142US02	6142	Granted	USA	13/756036	2013-01-31	8962563	Baxalta GmbH; Baxalta Incorporated
PAT6142CONUS03	6142	Granted	USA	14/584393	2013-01-31	9873720	Baxalta GmbH; Baxalta Incorporated
PAT6142DIVUS04	6142	Pending	USA	15/815347	2013-01-31		Baxalta GmbH; Baxalta Incorporated
PAT6204US03	6204	Granted	USA	14/189981	2014-02-25	9556260	Baxalta GmbH; Baxalta Incorporated
PAT6204CONUS04	6204	Granted	USA	15/335027	2014-02-25	10144776	Baxalta GmbH; Baxalta Incorporated
PAT6204CONUS05	6204	Pending	USA	16/165993	2014-02-25		Baxalta GmbH; Baxalta Incorporated
PAT6219US02	6219	Granted	USA	14/213924	2014-03-14	10183976	Baxalta GmbH; Baxalta Incorporated
PAT6221US02	6221	Granted	USA	14/160235	2014-01-21	9265791	Baxalta GmbH; Baxalta Incorporated
PAT6233US03	6233	Granted	USA	14/213585	2014-03-14	9556261	Baxalta GmbH; Baxalta Incorporated
PAT6233US02	6233	Granted	USA	14/213335	2014-03-14	9896501	Baxalta GmbH; Baxalta Incorporated
PAT6233DIVUS04	6233	Granted	USA	15/385721	2014-03-14	10738107	Baxalta GmbH; Baxalta Incorporated
PAT6233CONUS05	6233	Pending	USA	16/917701	2014-03-14		Baxalta GmbH; Baxalta Incorporated
PAT6236US02	6236	Granted	USA	14/464118	2014-08-20	9452108	Baxalta GmbH; Baxalta Incorporated
PAT6241PCTUS02	6241	Granted	USA	14/776622	2014-03-14	10202417	Baxalta GmbH; Baxalta Incorporated
PAT6242US02	6242	Granted	USA	14/210167	2014-03-13	9611467	Baxalta GmbH; Baxalta Incorporated
PAT6242DIVUS03	6242	Granted	USA	15/439154	2017-02-22	10413600	Baxalta GmbH; Baxalta Incorporated
PAT6242CONUS04	6242	Pending	USA	16/567048	2014-03-13		Baxalta GmbH; Baxalta Incorporated
PAT6263US02	6263	Granted	USA	14/634028	2015-02-27	9447147	Baxalta GmbH; Baxalta Incorporated
PAT6263CONUS03	6263	Granted	USA	15/242002	2016-08-19	10124033	Baxalta GmbH; Baxalta Incorporated
PAT6269CONUS06	6269	Pending	USA	16/247141	2014-05-05		Baxalta GmbH; Baxalta Incorporated
PAT6273US02	6273	Pending	USA	14/311113	2014-06-20		Baxalta GmbH; Baxalta Incorporated
PAT6301PCTUS02	6301	Granted	USA	15/300020	2015-03-25	10632252	Baxalta GmbH; Baxalta Incorporated
PAT6301CONUS03	6301	Pending	USA	16/825,961	2020-03-20		Baxalta GmbH; Baxalta Incorporated

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PAT6310US02	6310	Granted	USA	14/824927	2015-08-12	9873892	Baxalta GmbH; Baxalta Incorporated
PAT6311US02	6311	Granted	USA	14/824870	2015-08-12	10036002	Baxalta GmbH; Baxalta Incorporated
PAT6317DIVUS03	6317	Pending	USA	16/231195	2015-03-13		Baxalta GmbH; Baxalta Incorporated
PAT6543PCTUS02	6543	Pending	USA	16/347082	2017-11-03		Baxalta GmbH; Baxalta Incorporated
PAT6560US01	6560	Granted	USA	29/556,523	2016-03-01	D788,936	Baxalta GmbH; Baxalta Incorporated
PAT6560US02	6560	Granted	USA	29/556,530	2016-03-01	D788,937	Baxalta GmbH; Baxalta Incorporated
PAT6592CONUS03	6592	Pending	USA	16/283525	2016-12-05		Baxalta GmbH; Baxalta Incorporated
PAT6606PCTUS02	6606	Pending	USA	16/301962	2017-05-16		Baxalta GmbH; Baxalta Incorporated
PAT6643PCTUS02	6643	Pending	USA	16/310916	2017-06-26		Baxalta GmbH; Baxalta Incorporated
PAT6650PCTUS02	6650	Pending	USA	16/347107	2017-11-03		Baxalta GmbH; Baxalta Incorporated
PAT6654PCTUS02	6654	Pending	USA	16/092396	2017-04-13		Baxalta GmbH; Baxalta Incorporated
PAT6663US02	6663	Pending	USA	15/986350	2018-05-22		Baxalta GmbH; Baxalta Incorporated
PAT6663DIVUS03	6663	Pending	USA	17/075,556	2020-10-20		Baxalta GmbH; Baxalta Incorporated
PAT6672PCTUS02	6672	Pending	USA	16/490702	2018-03-02		Baxalta GmbH; Baxalta Incorporated
PAT6692US01	6692	Pending	USA	16/015452	2018-06-22		Baxalta GmbH; Baxalta Incorporated
PAT6777PRIUS01	6777	Granted	USA	13/402560	2012-02-22	8734420	Baxalta GmbH; Baxalta Incorporated
PAT6778US01	6778	Granted	USA	13/973689	2013-08-23	9358181	Baxalta GmbH; Baxalta Incorporated
PAT6795US02	6795	Granted	USA	15/349940	2016-11-11	10189889	Baxalta GmbH; Baxalta Incorporated
PAT6804PCTUS01	6804	Granted	USA	10/507956	2003-03-26	7790680	Baxalta GmbH; Baxalta Incorporated
PAT6805PCTUS02	6805	Granted	USA	13/883244	2011-11-04	9150637	Baxalta GmbH; Baxalta Incorporated
PAT6805DIVUS03	6805	Granted	USA	14/834769	2011-11-04	10053500	Baxalta GmbH; Baxalta Incorporated
PAT6822US02	6822	Granted	USA	15/349930	2016-11-11	10189888	Baxalta GmbH; Baxalta Incorporated
PAT6822CONUS04	6822	Pending	USA	16/211202	2016-11-11		Baxalta GmbH; Baxalta Incorporated
PAT6822CONUS03	6822	Pending	USA	16/211201	2016-11-11		Baxalta GmbH; Baxalta Incorporated
PAT6833PCTUS01	6833	Granted	USA	10/490920	2002-09-27	7510862	Baxalta GmbH; Baxalta Incorporated
PAT7003PCTUS03	7003	Pending	USA	16/760608	2018-10-30		Baxalta GmbH; Baxalta Incorporated
PAT7011US01	7011	Pending	USA	16/031171	2018-07-10		Baxalta GmbH; Baxalta Incorporated
PAT7021US02	7021	Pending	USA	16/030653	2018-07-09		Baxalta GmbH; Baxalta Incorporated
PAT7022US02	7022	Granted	USA	16/030659	2018-07-09	10632176	Baxalta GmbH; Baxalta Incorporated
PAT7022CONUS03	7022	Pending	USA	16/802118	2018-07-09		Baxalta GmbH; Baxalta Incorporated
PAT7081US02	7081	Pending	USA	16/444300	2019-06-18		Baxalta GmbH; Baxalta Incorporated
PAT7104PRIUS01	7104	Granted	USA	29/665384	2018-10-03	D878,763	Baxalta GmbH; Baxalta Incorporated
PAT7107PRIUS01	7107	Granted	USA	29/665387	2018-10-03	D886611	Baxalta GmbH; Baxalta Incorporated

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PAT7108PRIUS01	7108	Granted	USA	29/665390	2018-10-03	D890358	Baxalta GmbH; Baxalta Incorporated
PAT7109PRIUS01	7109	Granted	USA	29/665393	2018-10-03	D893046	Baxalta GmbH; Baxalta Incorporated
PAT7109CONUS02	7109	Pending	USA	29/740,759	2020-07-07		Baxalta GmbH; Baxalta Incorporated
PAT7110PRIUS01	7110	Granted	USA	29/665384	2018-10-03	D878763	Baxalta GmbH; Baxalta Incorporated
PAT7111PRIUS01	7111	Granted	USA	29/665385	2018-10-03	D881577	Baxalta GmbH; Baxalta Incorporated
PAT7149US02	7149	Pending	USA	16/778771	2020-01-31		Baxalta GmbH; Baxalta Incorporated
PAT7151US02	7151	Pending	USA	16/777630	2020-01-30		Baxalta GmbH; Baxalta Incorporated
PAT7153PRIUS01	7153	Pending	USA	14/934784	2015-11-06		Baxalta GmbH; Baxalta Incorporated
PAT7153PCTUS03	7153	Pending	USA	14/934,784	2016-10-17		Baxalta GmbH; Baxalta Incorporated
PAT7189PRIUS02PRO	7189	Pending	USA	63/079772	2020-09-17		Baxalta GmbH; Baxalta Incorporated
PAT7203PRIUS01PRO	7203	Pending	USA	63/061335	2020-08-05		Baxalta GmbH; Baxalta Incorporated
PAT7248US02PRO	7248	Pending	USA	63/078555	2020-09-15		Baxalta GmbH; Baxalta Incorporated
PAT7259PRIUS01PRO	7259	Pending	USA	63/050645	2020-07-10		Baxalta GmbH; Baxalta Incorporated

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