

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7011343

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DYAX CORP.	02/26/2021
RECEIVING PARTY DATA		
Name:	TAKEDA PHARMACEUTICAL COMPANY LIMITED	
Street Address:	1-1, DOSHOMACHI 4-CHOME	
Internal Address:	CHUO-KU, OSAKA-SHI	
City:	OSAKA	
State/Country:	JAPAN	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17203816
CORRESPONDENCE DATA		
Fax Number:	(617)646-8646	
<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>		
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Correspondent Name:	ELIZABETH M. BOEHM	
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Address Line 2:	WOLF GREENFIELD & SACKS, P.C.	
Address Line 4:	BOSTON, MASSACHUSETTS 02210	
ATTORNEY DOCKET NUMBER:	D0617.70028US06	
NAME OF SUBMITTER:	ELIZABETH M. BOEHM	
SIGNATURE:	/Elizabeth M. Boehm/	
DATE SIGNED:	11/08/2021	
Total Attachments: 6		
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CONFIRMATORY PATENT ASSIGNMENT

WHEREAS, on the 26th day of February 2021, **Dyax Corp.**, a corporation organized under the laws of the State of Delaware, USA, and having a place of business at **300 Shire Way, Lexington MA 02421, United States of America** (the "Assignor"), was the owner of the patent(s) and application(s) identified in attached Schedule A ("the Patent(s)"); and

WHEREAS, on the 26th day of February 2021, **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 Assignor confirms that effective on the 26th day of February 2021, for good and valuable consideration, the receipt of which was acknowledged therein and is hereby confirmed, Assignor 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 of America 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.

Assignor hereby further confirms 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 of America and all other countries throughout the world to the practitioners listed on the power of attorney attached herewith and further grants 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 Belmont, Massachusetts, USA, as of this 26th day of February 2021.

ON BEHALF OF Dyax Corp.

By: Margo Furman

Printed Name: Margo Furman

Title: Authorized Signatory, Vice President Intellectual Property

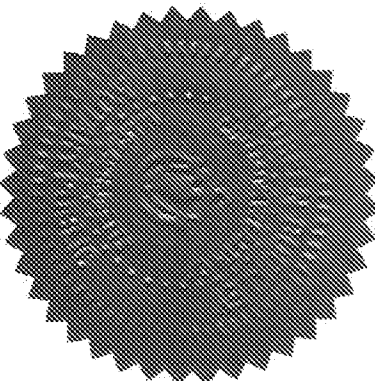
STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX


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On this 26th day of February 2021, before me, Noreen Buckley, 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.



Noreen Buckley
Noreen Buckley
NOTARY PUBLIC
My Commission Expires: 28 September 2023

 **NOREEN BUCKLEY**
Notary Public
Commonwealth of Massachusetts
My Commission Expires
September 28, 2023

IN WITNESS WHEREOF, Assignee, by its duly authorized officer, has executed this Confirmatory Assignment in Sudbury, Massachusetts, USA as of this 26th day of February 2021.

ON BEHALF OF Takeda Pharmaceutical Company Limited

By: _____

Printed Name: Patrick Eagleman

Title: Authorized Signatory, Vice President Intellectual Property

STATE OF MASSACHUSETTS

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COUNTY OF MIDDLESEX

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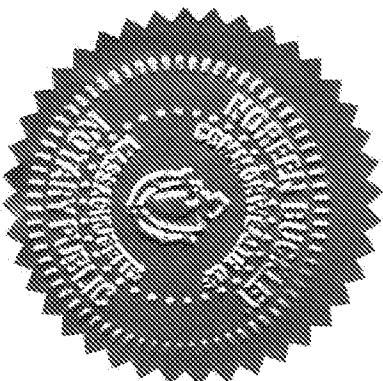
On this 26th day of February 2021, before me, Noreen Buckley, Notary Public, personally appeared Patrick Eagleman, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, 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.

Noreen Buckley

NOTARY PUBLIC

My Commission Expires: 28 September 2023



NOREEN BUCKLEY
Notary Public
Commonwealth of Massachusetts
My Commission Expires
September 28, 2023

Schedule A

Patent Ref	Family	Status	Country	Application No	Filed Date	Patent No.	Assignor
PAT6419DIVUS03	6419	Granted	USA	14/090842	2013-11-26	9631017	DYAX CORP.
PAT6427CONUS05	6427	Granted	USA	13/161441	2011-06-15	8399384	DYAX CORP.
PAT6430DIVUS07	6430	Granted	USA	13/170448	2011-06-28	9116149	DYAX CORP.
PAT6430CONUS03	6430	Granted	USA	12/625337	2009-11-24	9012181	DYAX CORP.
PAT6430DIVUS05	6430	Granted	USA	13/170362	2011-06-28	9040258	DYAX CORP.
PAT6430CONUS04	6430	Granted	USA	13/073657	2011-03-28	9005927	DYAX CORP.
PAT6430CONUS08	6430	Granted	USA	13/937915	2013-07-09	9034601	DYAX CORP.
PAT6418DIVUS08	6418	Granted	USA	14/019241	2013-09-05	9629934	DYAX CORP.
PAT6417DIVUS04	6417	Granted	USA	13/867806	2013-04-22	8846579	DYAX CORP.
PAT6417US02	6417	Granted	USA	10/383902	2003-03-07	7244592	DYAX CORP.
PAT6436CONUS08	6436	Granted	USA	11/929729	2007-10-30	8124586	DYAX CORP.
PAT6420US02	6420	Granted	USA	10/993543	2004-11-19	7514534	DYAX CORP.
PAT6446US02	6446	Granted	USA	11/646148	2006-12-27	8828703	DYAX CORP.
PAT6423US03	6423	Granted	USA	11/196627	2005-08-03	7329737	DYAX CORP.
PAT6447US04	6447	Granted	USA	11/648423	2006-12-29	7745587	DYAX CORP.
PAT6423DIVUS04	6423	Granted	USA	11/956792	2005-08-03	7993646	DYAX CORP.
PAT6454US03	6454	Granted	USA	12/337140	2008-12-17	8147836	DYAX CORP.
PAT6457US04	6457	Granted	USA	12/396740	2009-03-03	8008445	DYAX CORP.
PAT6412CONUS03	6412	Granted	USA	14/310814	2014-06-20	9266964	DYAX CORP.
PAT6465DIVUS03	6465	Granted	USA	14/339053	2014-07-23	10336832	DYAX CORP.
PAT6467US02	6467	Granted	USA	14/353212	2014-04-21	10314909	DYAX CORP.
PAT6415US03	6415	Granted	USA	14/122880	2012-06-01	9359438	DYAX CORP.
PAT6390US02	6390	Granted	USA	14/669607	2015-03-26	10428158	DYAX CORP.
PAT6471DIVUS04	6471	Granted	USA	11/345031	2006-01-31	7691565	DYAX CORP.
PAT6471CONUS06	6471	Granted	USA	13/243761	2011-09-23	8535892	DYAX CORP.
PAT6471CONUS07	6471	Granted	USA	13/966852	2013-08-14	9156883	DYAX CORP.
PAT6388CIPUS04	6388	Granted	USA	10/045674	2001-10-25	8288322	DYAX CORP.
PAT6417DIVUS05	6417	Granted	USA	14/498340	2014-09-26	9562902	DYAX CORP.
PAT6417DIVUS03	6417	Granted	USA	11/763251	2007-06-14	8445410	DYAX CORP.
PAT6436CONUS16	6436	Granted	USA	15/175644	2016-06-07	10245307	DYAX CORP.
PAT6439DIVUS04	6439	Granted	USA	11/804388	2007-05-18	8188045	DYAX CORP.
PAT6439DIVUS21	6439	Granted	USA	14/271105	2014-05-06	9757437	DYAX CORP.
PAT6439PRUS01	6439	Granted	USA	10/953902	2004-09-27	7153829	DYAX CORP.
PAT6439CIPUS02	6439	Granted	USA	11/125639	2005-05-09	7235530	DYAX CORP.
PAT6441DIVUS04	6441	Granted	USA	14/048526	2013-10-08	9670481	DYAX CORP.
PAT6439CONUS03	6439	Granted	USA	11/466979	2006-08-24	7704949	DYAX CORP.
PAT6422US02	6422	Granted	USA	10/916840	2004-08-12	7348001	DYAX CORP.
PAT6422CIPUS03	6422	Granted	USA	11/049536	2005-02-02	7871610	DYAX CORP.
PAT6447US05	6447	Granted	USA	12/776195	2010-05-07	8106168	DYAX CORP.
PAT6449CONUS02	6449	Granted	USA	12/792393	2010-06-02	9107928	DYAX CORP.

Schedule A

Patent Ref	Family	Status	Country	Application No	Filed Date	Patent No.	Assignor
PAT6454DIVUS04	6453	Granted	USA	13/338622	2011-12-28	8501181	DYAX CORP.
PAT6463US02	6463	Granted	USA	12/683094	2010-01-06	8637454	DYAX CORP.
PAT6393US02	6393	Pending	USA	14/761671	2014-01-17		DYAX CORP.
PAT6412DIVUS04	6412	Granted	USA	14/969498	2015-12-15	10370453	DYAX CORP.
PAT6407PCTUS02	6407	Granted	USA	15/030790	2014-10-17	10101344	DYAX CORP.
PAT6388DIVUS06	6388	Granted	USA	11/365556	2006-02-28	9382535	DYAX CORP.
PAT6471DIVUS05	6471	Granted	USA	12/692353	2010-01-22	8058017	DYAX CORP.
PAT6427CONUS08	6427	Granted	USA	13/250520	2011-09-30	8258082	DYAX CORP.
PAT6436CONUS15	6436	Granted	USA	14/263764	2014-04-28	9480733	DYAX CORP.
PAT6436CONUS14	6436	Granted	USA	12/951543	2010-11-22	8710007	DYAX CORP.
PAT6436CONUS10	6436	Granted	USA	11/930012	2007-10-30	7811991	DYAX CORP.
PAT6436US03	6436	Granted	USA	10/456986	2003-06-06	7064107	DYAX CORP.
PAT6439CONUS07	6439	Granted	USA	11/929822	2007-10-30	8034775	DYAX CORP.
PAT6439CONUS19	6439	Granted	USA	13/228300	2011-09-08	9114144	DYAX CORP.
PAT6442DIVUS03	6442	Granted	USA	11/621246	2007-01-09	7718617	DYAX CORP.
PAT6442US02	6442	Granted	USA	10/456981	2003-06-06	7166576	DYAX CORP.
PAT6442CONUS04	6442	Granted	USA	12/727637	2010-03-19	8748368	DYAX CORP.
PAT6430CONUS10	6430	Granted	USA	15/377846	2016-12-13	10059936	DYAX CORP.
PAT6417DIVUS06	6417	Pending	USA	15/402724	2017-01-10		DYAX CORP.
PAT6445CONUS07	6445	Granted	USA	11/458773	2006-07-20	7550427	DYAX CORP.
PAT6459US04	6459	Granted	USA	12/989307	2009-04-24	9388510	DYAX CORP.
PAT6459US03	6459	Granted	USA	12/922153	2009-03-13	9873957	DYAX CORP.
PAT6412US02	6412	Granted	USA	13/345170	2012-01-06	8816055	DYAX CORP.
PAT6465US02	6465	Granted	USA	12/985914	2011-01-06	8822653	DYAX CORP.
PAT6427CONUS06	6427	Granted	USA	13/161445	2011-06-15	8466091	DYAX CORP.
PAT6435US02	6435	Granted	USA	10/361997	2003-02-07	6989369	DYAX CORP.
PAT6430DIVUS06	6430	Granted	USA	13/170438	2011-06-28	9068980	DYAX CORP.
PAT6436CONUS05	6436	Granted	USA	11/323261	2005-12-30	7276480	DYAX CORP.
PAT6436CONUS12	6436	Granted	USA	11/931373	2007-10-31	7851442	DYAX CORP.
PAT6430CONUS09	6430	Granted	USA	14/718656	2015-05-21	9556428	DYAX CORP.
PAT6439CONUS20	6439	Granted	USA	13/458086	2012-04-27	8716225	DYAX CORP.
PAT6441US03	6441	Granted	USA	10/656350	2003-09-05	8557743	DYAX CORP.
PAT6422US04	6422	Granted	USA	11/199739	2005-08-09	7485297	DYAX CORP.
PAT6447CONUS06	6447	Granted	USA	13/335185	2010-05-07	9051377	DYAX CORP.
PAT6456US02	6456	Granted	USA	12/397285	2009-03-03	8013125	DYAX CORP.
PAT6457DIVUS05	6457	Granted	USA	13/191411	2011-07-26	8455205	DYAX CORP.
PAT6459CONUS05	6459	Granted	USA	15/177799	2016-06-08	10683342	DYAX CORP.
PAT6458US03	6458	Granted	USA	12/397258	2009-03-03	8114968	DYAX CORP.
PAT6392PCTUS05	6392	Pending	USA	15/113297	2015-01-21		DYAX CORP.
PAT6415CONUS04	6415	Granted	USA	15/139784	2016-05-18	9862768	DYAX CORP.

Schedule A

Patent Ref	Family	Status	Country	Application No	Filed Date	Patent No.	Assignor
PAT6398PCTUS02	6398	Pending	USA	14/761690	2014-01-17		DYAX CORP.
PAT6406PCTUS03	6406	Pending	USA	15/030811	2014-10-17		DYAX CORP.
PAT6418CONUS07	6418	Granted	USA	12/480578	2009-06-08	8642010	DYAX CORP.
PAT6441CONUS05	6441	Pending	USA	15/607300	2017-05-26		DYAX CORP.
PAT6388CONUS09	6388	Pending	USA	15/612938	2017-06-02		DYAX CORP.
PAT6481PCTUS04	6487	Pending	USA	15/541066	2015-12-31		DYAX CORP.
PAT6498PCTUS03	6498	Pending	USA	15/562671	2016-03-30		DYAX CORP.
PAT6389PCTUS06	6389	Pending	USA	15/746048	2016-07-21		DYAX CORP.
PAT6427CONUS03	6427	Granted	USA	15/797927	2017-10-30	10604753	DYAX CORP.
PAT6415CONUS05	6415	Granted	USA	15/830998	2016-05-18	10479834	DYAX CORP.
PAT6459DIVUS06	6459	Pending	USA	15/836230	2017-12-08		DYAX CORP.
PAT6430CONUS11	6430	Granted	USA	16/042004	2016-12-13	10577599	DYAX CORP.
PAT6407DIVUS03	6407	Granted	USA	16/131781	2014-10-17	10648990	DYAX CORP.
PAT6404CONUS03	6404	Pending	USA	16/199453	2014-03-14		DYAX CORP.
PAT6436CONUS18	6436	Pending	USA	16/281276	2016-06-07		DYAX CORP.
PAT6466CONUS10	6465	Pending	USA	16/411242	2019-05-14		DYAX CORP.
PAT6412CONUS05	6412	Pending	USA	16/445,304	2019-06-19		DYAX CORP.
PAT6390CONUS03	6390	Pending	USA	16/541743	2015-03-26		DYAX CORP.
PAT6415CONUS06	6415	Pending	USA	16/594218	2019-10-07		DYAX CORP.
PAT6441DIVUS06	6441	Pending	USA	16/748441	2020-01-21		DYAX CORP.
PAT6459DIVUS07	6459	Pending	USA	16/838910	2020-04-02		DYAX CORP.
PAT6427CONUS11	6427	Pending	USA	16/789468	2020-02-13		DYAX CORP.

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