

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6349586

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GLAXO GROUP LIMITED	10/06/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED
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<b>City:</b>	BRENTFORD, MIDDLESEX
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	TW89GS
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11672536
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	P-364-US1
<b>NAME OF SUBMITTER:</b>	TIMOTHY R. WELCH
<b>SIGNATURE:</b>	/Timothy R. Welch/
<b>DATE SIGNED:</b>	10/14/2020
<b>Total Attachments: 5</b>	
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## Patent Assignment

WHEREAS, **Glaxo Group Limited** (hereinafter "**GGL**"), a company organised and existing under the laws of England and Wales and with registered address at 980 Great West Road, Brentford, Middlesex, TW8 9GS, United Kingdom (the "**Assignor**"), is the registered owner of the patents and patent applications listed in **EXHIBIT A** (the "**Assigned Patents**").

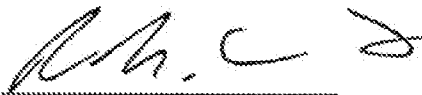
WHEREAS, by virtue of a Restated Deed of Contribution and License dated 23 July 2013 and effective as of 31 December 2012, **GlaxoSmithKline Intellectual Property Development Limited** (hereinafter "**GIPD**"), a company organised and existing under the laws of England and Wales and with registered address at 980 Great West Road, Brentford, Middlesex, TW8 9GS, United Kingdom (the "**Assignee**"), has the right to call for an assignment of the entire right, title and interest in and to the Assigned Patents.

WHEREAS **GIPD** is desirous of acquiring **GGL**'s entire right, title and interest in and to the Assigned Patents, and in and to any subsequent patent applications and patents filed or granted thereon or therefrom, and now calls for such assignment.

NOW, THEREFORE, **GGL** does hereby assign the Assigned Patents to **GIPD**.

IN WITNESS WHEREOF, the parties hereby have executed this assignment on this 6<sup>th</sup> day of October 2020.

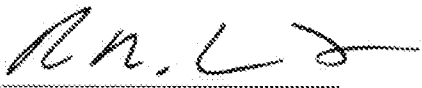
**Glaxo Group Limited**

By: 

Name: Rachel Thornley

Title: Attorney and Authorised Official

**GlaxoSmithKline Intellectual Property Development Limited**

By: 

Name: Rachel Thornley

Title: Attorney and Authorised Official

**EXHIBIT A**

**Title: Succinic Acid Salt of Biphenyl-2-ylcarbamic Acid 1-[2-(2-Chloro-4-((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino[methyl])-5-methoxyphenylcarbonyl)-ethyl]piperidin-4-yl Ester and its Use for the Treatment of Pulmonary Disorders**

Country	Status	Application Number	Application Date	Patent Number	Grant Date
Algeria - (DZ)	Granted	080935	2/8/2007	6070	11/7/2010
Argentina - (AR)	Filed	9970100517	2/8/2007		
Argentina - (AR)	Filed	F166101036	4/15/2016		
Armenia - (AM)	Granted	200801691	2/8/2007	016580	6/29/2012
Australia - (AU)	Granted	2007213767	2/8/2007	2007213767	8/9/2012
Austria - (AT)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Azerbaijan - (AZ)	Granted	200801691	2/8/2007	016580	6/29/2012
Bangladesh - (BD)	Inactive	22/2007	2/8/2007		
Belarus - (BY)	Granted	200801691	2/8/2007	016580	6/29/2012
Belgium - (BE)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Brazil - (BR)	Filed	PI0707359-6	2/8/2007		
Bulgaria - (BG)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Canada - (CA)	Granted	2641769	2/8/2007	2641769	2/4/2014
Chile - (CL)	Granted	2907-332	2/8/2007	S1 812	1/6/2016
China P.R. - (CN)	Granted	200780005028.2	2/8/2007	ZL 200780005028.2	2/13/2013
Colombia - (CO)	Filed	08-083159	2/8/2007		
Costa Rica - (CR)	Granted	10227	2/8/2007	3294	6/23/2016
Croatia - (HR)	Granted	P20171304	2/8/2007	EP1981872	6/21/2017
Cyprus - (CY)	Granted	CY20171100887	2/8/2007	CY1119238	6/21/2017
Czechia - (CZ)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Denmark - (DK)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Egypt - (EG)	Inactive	PCT11312/2008	2/8/2007		
Estonia - (EE)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Eurasian Patent Convention - (EA)	Granted	200801691	2/8/2007	016580	6/29/2012
European Patent Convention - (EP)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Finland - (FI)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
France - (FR)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Germany - (DE)	Granted	07704449.3	2/8/2007	602007031387.1	6/21/2017
Greece - (GR)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Gulf Cooperation Council - (GC)	Granted	GCC/P/2007/7762	2/10/2007	GC0005565	8/1/2017
Hong Kong - (HK)	Granted	08113301.9	12/8/2008	HK1119703	4/8/2018
Hungary - (HU)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Iceland - (IS)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017

Country	Status	Application Number	Application Date	Patent Number	Grant Date
India - (IN)	Granted	3210/KOLNP/2008	2/8/2007	256599	7/3/2013
Indonesia - (ID)	Granted	W-00200802624	2/8/2007	IDP0033957	6/24/2013
Ireland - (IE)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Israel - (IL)	Granted	193103	2/8/2007	193103	11/9/2015
Italy - (IT)	Granted	502017000101353	2/8/2007	EP1981872	6/21/2017
Japan - (JP)	Granted	2008-553758	2/8/2007	5616021	9/19/2014
Jordan - (JO)	Granted	37/2007	2/8/2007	3389	6/23/2019
Kazakhstan - (KZ)	Granted	200801691	2/8/2007	016580	6/29/2012
Korea South - (KR)	Granted	10-2008-7022160	2/8/2007	10-1488691	1/27/2013
Kyrgyzstan - (KG)	Granted	200801691	2/8/2007	016580	6/29/2012
Latvia - (LV)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Lithuania - (LT)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Luxembourg - (LU)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Malaysia - (MY)	Granted	PI20083025	2/8/2007	MY-153656-A	3/13/2015
Malta - (MT)	Granted	4094	2/8/2007	PAT/4094	7/8/2008
Mexico - (MX)	Granted	MX/a/2008/010305	2/8/2007	307836	3/12/2013
Moldova - (MD)	Granted	200801691	2/8/2007	016580	6/29/2012
Monaco - (MC)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Morocco - (MA)	Granted	PV/31.228	2/8/2007	30273	3/2/2009
Netherlands - (NL)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
New Zealand - (NZ)	Granted	570242	2/8/2007	570242	1/9/2012
Nigeria - (NG)	Granted	NG/C/2008/527	2/8/2007	NG/C/2008/527	11/19/2008
Norway - (NO)	Granted	20083425	2/8/2007	341343	10/16/2017
Pakistan - (PK)	Granted	117/2007	2/8/2007	141602	7/19/2013
Patent Cooperation Treaty - (WO)	Inactive	PCT/EP2007/051196	2/8/2007		
Peru - (PE)	Inactive	000135-2007/DIN	2/8/2007		
Peru - (PE)	Granted	000996-2010/DIN	10/21/2010	7159	4/8/2014
Philippines - (PH)	Granted	1-2008-501814	2/8/2007	1-2008-501814	10/24/2013
Poland - (PL)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Portugal - (PT)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Romania - (RO)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Russian Federation - (RU)	Granted	200801691	2/8/2007	016580	6/29/2012
Singapore - (SG)	Inactive	200805619-4	2/8/2007		
Singapore - (SG)	Granted	201100933-9	2/9/2011	169404	12/2/2014
Slovakia - (SK)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Slovenia - (SI)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
South Africa - (ZA)	Granted	2008/06782	2/8/2007	2008/06782	10/28/2009
Spain - (ES)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Sweden - (SE)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017

Country	Status	Application Number	Application Date	Patent Number	Grant Date
Switzerland - (CH)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
Taiwan - (TW)	Granted	096104636	2/8/2007	I401251	7/11/2013
Tajikistan - (TJ)	Granted	200801691	2/8/2007	016580	6/29/2012
Thailand - (TH)	Filed	0701000581	2/8/2007		
Trinidad - (TT)	Granted	TT/A/2008/00176	2/8/2007	TT/P/2016/00054	11/2/2016
Turkey - (TR)	Granted	07704449.3	2/8/2007	TR201713261T4	6/21/2017
Turkmenistan - (TM)	Granted	200801691	2/8/2007	016580	6/29/2012
Ukraine - (UA)	Granted	a2008099940	2/8/2007	100364	12/25/2012
United Kingdom - (GB)	Granted	07704449.3	2/8/2007	EP1981872	6/21/2017
United Kingdom - (GB)	Inactive	6602778.3	2/10/2006		
United States - (US)	Granted	11/672536	2/8/2007	7960551	6/14/2011
Venezuela - (VE)	Filed	259-2007	2/8/2007		
Vietnam - (VN)	Granted	1-2008-02233	2/8/2007	17021	5/30/2017

**Title: Process for the Preparation of a Biphenyl-2-ylcarbamic Acid Ester**

Country	Status	Application Number	Application Date	Patent Number	Grant Date
Australia - (AU)	Granted	2010238504	4/14/2010	2010238504	7/30/2015
Brazil - (BR)	Filed	P11013562.6	4/14/2010		
Canada - (CA)	Granted	2758353	4/14/2010	2758353	6/6/2017
China P.R. - (CN)	Granted	201080016905.8	4/14/2010	ZL201080016905.8	5/20/2015
Eurasian Patent Convention - (EA)	Granted	201190203	4/14/2010	022030	10/30/2015
European Patent Convention - (EP)	Granted	10713940.4	4/14/2010	EP2419409	1/28/2015
France - (FR)	Granted	10713940.4	4/14/2010	EP2419409	1/28/2015
Germany - (DE)	Granted	EP2419409	4/14/2010	602010022104.0	1/28/2015
India - (IN)	Inactive	4097/K.OX.NP/2011	4/14/2010		
Israel - (IL)	Granted	215550	4/14/2010	215550	7/1/2016
Italy - (IT)	Granted	502015000012074	4/14/2010	EP2419409	1/28/2015
Japan - (JP)	Granted	2012-505154	4/14/2010	5540075	5/9/2014
Japan - (JP)	Granted	2014-094409	5/1/2014	5714748	3/20/2015
Korea South - (KR)	Granted	10-2011-7026946	4/14/2010	10-1726154	3/21/2017
Mexico - (MX)	Granted	MX/a/2011/010534	4/14/2010	321563	7/2/2014
Patent Cooperation Treaty - (W/O)	Inactive	PCT/EP2010/054893	4/14/2010		
Russian Federation - (RU)	Granted	201190203	4/14/2010	022030	10/30/2015
Singapore - (SG)	Granted	201107171-9	4/14/2010	175023	4/25/2014
South Africa - (ZA)	Granted	2011/07378	4/14/2010	2011/07378	3/27/2013
Spain - (ES)	Granted	10713940.4	4/14/2010	EP2419409	1/28/2015
United Kingdom - (GB)	Granted	10713940.4	4/14/2010	EP2419409	1/28/2015

Country	Status	Application Number	Application Date	Patent Number	Grant Date
United States - (US)	Granted	13/263857	4/14/2010	8519138	8/27/2013
United States --(US)	Inactive	61/169036	4/14/2009		

*[End of Exhibit A]*

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