

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI794360

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
INTELLECTUAL DISCOVERY CO., LTD.		01/06/2025
RECEIVING PARTY DATA		
Company Name:	KONINKLIJKE PHILIPS N.V.	
Street Address:	HIGH TECH CAMPUS 52	
City:	EINDHOVEN	
State/Country:	NETHERLANDS	
Postal Code:	5656 AG	
PROPERTY NUMBERS Total: 4		
Property Type	Number	
Application Number:	18649057	
Application Number:	18921545	
Application Number:	18817433	
Application Number:	18913571	
CORRESPONDENCE DATA		
Fax Number:		
<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:	2033515705	
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ATTORNEY DOCKET NUMBER:	Intellectual Discovery	
NAME OF SUBMITTER:	Patti DeMichele	
SIGNATURE:	/Patti DeMichele/	
DATE SIGNED:	01/31/2025	
Total Attachments: 3		
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source=ASSIGNMENT-INTELLECTUAL-DISCOVERY-to-KPNV#page2.tiff		

Deed of Assignment

This Deed of Assignment (the "Deed of Assignment") is made on January 6, 2025 between Intellectual Discovery Co., Ltd., having its registered office at 7th Fl., 419, Teheran-ro, Gangnam-gu, Seoul, Korea ("Assignor") and Koninklijke Philips N.V., a company organised and existing under the laws of The Netherlands, having its registered address at High Tech Campus 52, 5656 AG, Eindhoven, the Netherlands ("Assignee").

WHEREAS, Assignor is the owner of: (i) patents and patent applications listed in Annex A; (ii) any and all continuation, divisional, renewal, substitute, re-examination or reissue applications of the patents and patent applications; and (iii) all rights of priority in relation to the patents and patent applications (collectively: "the Patents");

WHEREAS, Assignee desires to acquire all right, title and interest in and to the Patents;

NOW THEREFORE, for 1 Euro (1€) and other good and valuable consideration, receipt of which is hereby acknowledged, Assignor hereby assigns, transfers and conveys to Assignee of all of Assignor's worldwide right, title, and interest in and to:

- (a) the Patents,
- (b) all future reissues, re-examinations, extensions, continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any of the Patents, and
- (c) all causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in the foregoing category (b), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringements,

effective as of January 6, 2025 and Assignee hereby accepts said assignment.

By this Deed of Assignment Assignor hereby grants full power of attorney to Assignee for recording the assignment of the Patents from Assignor to Assignee in applicable registers held and maintained by patent offices and other authorities concerned. This power of attorney includes the right for Assignee to grant sub-authorizations to third parties at Assignee's discretion.

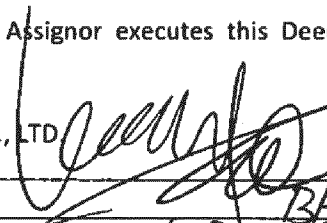
IN WITNESS WHEREOF, Assignor executes this Deed of Assignment through a duly authorised representative.

Intellectual Discovery Co., LTD

Signature: _____

Name: _____

Title: _____

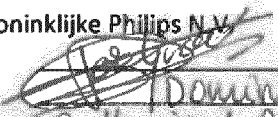

BAE DONGSUK
E.V.P.

Accepted by Koninklijke Philips N.V.

Signature: _____

Name: _____

Title: _____


Dominique M.C. de Groot-Verschuren
Authorized Representative

Annex A

List of Patents

No.	Country	Application Number	Application Date	Issue Number	Issue Date	Status
1	CN	201780040691.X	18-12-28	109417619	22-4-19	Issued
	CN	202210313414.4	22-3-8			Divisional Application
	CN	202210313456.8	22-3-8			Divisional Application
	CN	202210311692.6	22-3-8			Divisional Application
	CN	202210313451.5	22-3-8			Divisional Application
	CN	202210313457.2	22-3-8			Divisional Application
	EP	17789963.0	18-10-24			Pending
	KR	10-2023-7021205	23-6-22			Pending
	US	16/097,354	18-10-29	10,834,420	20-11-10	Issued
	US	17/038,260	20-9-30	11,297,343	22-4-5	Issued
	US	17/684,607	22-3-2	11,785,244	23-10-10	Issued
	US	18/351,706	23-7-13			Pending
	US	18/460,394	23-9-1	12,028,546	24-7-2	Issued
	WO	PCT/KR2017/004569	17-4-28			Closed
2	CN	201780040684.X	18-12-18	109417633	23-11-28	Issued
	CN	201780040684.X	18-12-28			Divisional Application
	CN	202311469935.X	23-11-6			Divisional Application
	CN	202311468139.4	23-11-6			Divisional Application
	CN	202311464483.6	23-11-6			Divisional Application
	CN	202311473250.2	23-11-6			Divisional Application
	CN	202311468145.X	23-11-6			Divisional Application
	CN	202311473282.2	23-11-6			Divisional Application
	EP	20187319.7	20-7-23			Pending
	KR	10-2018-7029181	18-10-10	10-2391235	22-4-22	Issued
	KR	10-2022-7013585	22-4-22	10-2583569	22-9-22	Issued
	US	16/096,845	18-10-26			Pending
	US	18/351,454	23-7-12			Pending
	WO	PCT/KR2017/004571	17-4-28			Closed
3	KR	10-2016-0132602	16-10-13			Pending

	US	16/378,499	19-4-8	11,159,825	21-10-26	Issued
	US	17/484,731	21-9-24	11,659,209	23-5-23	Issued
	US	18/302,186	23-4-18			NoA(QPIDS)
	US	18/470,976	23-9-20	12,003,781	24-6-4	Issued
	US	18/654,328	24-5-3			Pending
	WO	PCT/KR2016/011524	16-10-14			Closed
4	KR	10-2020-7010357	20-4-9			Pending
	US	16/647,665	20-3-16	11,064,217	21-7-13	Issued
	US	17/345,118	21-6-11	11,659,200	23-5-23	Issued
	US	18/304,084	23-4-20			NoA
	US	18/804,950				Pending
	WO	PCT/KR2018/010951	18-9-18			Closed
6	CN	201780029821.X	18-11-14			Pending
	CN	202210296042.9	22-3-24			Divisional Application
	EP	17770615.7	18-10-12			Closed
	EP	22177043.1	22-6-2			Pending
	KR	10-2016-0049485	16-4-22			Application
	KR	10-2016-0054607	16-5-3			Application
	US	16/087,787	18-9-24	10,778,987	20-9-15	Issued
	US	16/993,628	20-8-14	11,388,420	22-7-12	Issued
	US	17/836,347	22-6-9	11,770,539	23-9-26	Issued
	US	17/836,236	22-6-9	11,973,960	24-4-30	Issued
	US	18/350,040	23-7-11			Continuation Application
	US	18/351,841	23-7-13			Continuation Application
	WO	PCT/KR2017/003082	17-3-22			Closed
7	KR	10-2017-0183880	17-12-29	10-2445899	22-9-16	Issued
	KR	10-2022-0117315	22-9-16	10-2677696	24-6-19	Issued
	KR	10-2023-0131001	23-9-27			Divisional Application
	US	16/957,933	20-4-9	11,259,030	22-2-22	Issued
	US	17/570,727	22-1-7	11,785,227	23-10-10	Issued
	US	18/462,673	23-9-7			Application
	WO	PCT/KR2018/016823	18-12-28			Closed
8	KR	10-2020-0037028	20-3-26			Application
	US	17/440,248	21-9-17			NoA
	IN	202117045012	21-10-6			Application
	VN	1-2021-06743	21-10-25			Application
	WO	PCT/KR2020/004136	20-3-26			Closed