

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7394678

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	PLEDGE OF PROTECTION OF THE TRADE SECRETS AND OTHERS WITH ENGLISH TRANSLATION AND EXECUTED ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEXANDER VORONOV	10/08/2021
HYUNGSIK KIM	10/08/2021
SUNGGYU PARK	10/08/2021
JUNGHWA YOU	10/08/2021
JOONGSUNG LEE	10/08/2021
WOOHYUN JUNG	10/08/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG DISPLAY CO., LTD.
<b>Street Address:</b>	1, SAMSUNG-RO, GIHEUNG-GU
<b>City:</b>	YONGIN-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	17113
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17529736
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)286-0115
<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>	
<b>Phone:</b>	8602862929
<b>Email:</b>	usptopatentmail@cantorcolburn.com
<b>Correspondent Name:</b>	JAMES J. MERRICK, CANTOR COLBURN LLP
<b>Address Line 1:</b>	20 CHURCH STREET, 22ND FLOOR
<b>Address Line 2:</b>	21C1201US
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103
<b>ATTORNEY DOCKET NUMBER:</b>	21C1201US
<b>NAME OF SUBMITTER:</b>	JAMES J. MERRICK
<b>SIGNATURE:</b>	/James J. Merrick/
<b>DATE SIGNED:</b>	06/22/2022

**Total Attachments: 7**

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## Pledge of Protection of the Trade Secrets and Others

With regard to the protection of trade secrets and others as an executive and/or employee of **Samsung Display Co., Ltd.** (hereinafter referred to as the "Company"), I hereby pledge as follows.

1. I shall strictly abide by, while working at the Company, the Company's various regulations, guidelines and policies related to the protection of technical and/or managerial information useful for the Company's production methods, sales methods, and other business activities, which are kept secret and are not publicly known and have independent economic value.
2. I shall not copy, photograph, record, duplicate (including reproducing, editing, processing, etc.), information acquired during work in the form of documents, drawings, etc.), store, transmit the Company's trade secrets (hereinafter collectively referred to as the "Trade Secrets"), leak, disclose and/or utilize them to any third party inside and outside the Company by means of any unauthorized storage media, leak the Trade Secrets outside the designated place without the Company's prior permission, delete the Trade Secrets from the Company, keep holding them even after request for return, which include the following information, for any reason, except for using them for the designated duties related to my job during my tenure at work.

(However, excluded are cases where the Company's prior written consent is given or permitted in accordance with the regulations related to the protection of the Trade Secrets.)

- (1) Contents regarding product research and development (R&D) planning work reports and journals, experimental data, information pertaining to research and development, such as research performance and analysis data
  - (2) Technical information such as product design methods, drawings, manufacturing processes, manufacturing equipment, computer programs, design and development samples related to manufacturing, etc.
  - (3) Management information including HR, personnel organizations, marketing and financial management, sales statistics, sales plan, M&A strategy and list of customers and partners, etc.
  - (4) Personal information handling by the Company including client information and executives and/or employees information
  - (5) All information and documents that the Company otherwise wants to protect under all the Articles
3. I shall never access or use any unauthorized information or facilities, information and communication networks (including internet, hereinafter the same shall apply), PC and system, etc., that I shall surely comply with the Company's security regulations and guidelines.
4. I have been informed of a series of security systems and security programs (access, asset carry-in/out, CCTV management, information and communication networks access management, PC usage management, file encoding, printout management and in-house mobile camera regulation etc.) operated by the Company; and I hereby agree to record, store and utilize (when it is necessary) the history through the Company's security systems and security programs for the following purposes.
  - (1) Protection and prevention of the leakage of trade secrets, etc.
  - (2) Smooth operation and maintenance of information and communication networks
  - (3) Blocking of misuse and non-business use of company assets
5. I hereby agree that that the file and e-mails (the purpose of business support and personal both) created or transmitted externally through the Company assets, PC or information and communication networks provided by the Company shall be secured, stored, viewed, copied, decrypted and deleted for the purposes of the preceding paragraph.
6. I hereby admit that the Company has all rights to possess, use, and dispose of technology and information invented, discovered, developed, designed and/or devised independently or jointly with a third party in relation to my job during employment, and I shall not use them for the benefit of myself and/or a third party without the Company's prior written consent even during employment or after retirement.
7. I will not take any civil and criminal liability to the Company in connection with the trade secrets of third party such as using trade secrets owned by third parties without prior written consent from the relevant third party.
8. I shall actively cooperate with the Company by directly filling out all documents or files required such as drawings, specifications, confirmation, etc. or supporting the preparation of the Company or its agent according to the Company's request, if the Company takes legal protection measures for the related rights, such as filing intellectual property rights and others, or transfers the rights to a third party in relation to my duties, not only during my employment but also after my retirement.
9. At the time of my retirement, I shall return to the Company all materials that contain matters related to the Company's Trade Secrets, such as charts, design drawings, specifications, documents, memos, notes, business notebooks, magnetic tapes, disks, files, PC and other recording media, and I shall not retain any copies of them in any form.
10. Even after my retirement, I shall not leak, use, and/or disclose the Trade Secrets acquired or learned during my employment to a third party in any way without the Company's prior consent.
11. I will not do any of the following activities, such as starting or working for domestic and foreign competitors, (LGD, BOE, Apple, Foxconn, Sineva; Equipment affiliate company of BOE, CMI, Hamstar, CSOT, Tianma, IVO, EDO, Visionox(GVO), Truly, Royole, CEC-Panda, JDI, Sharp etc.), which may leak or be used the Company's trade secrets for at least two(2) years from my retired date.
  - (1) The act of establishing a competitor in any form; Direct • Indirect joint venture, Partnership, business cooperation and Contracting-out Management, etc.
  - (2) Employing a competitor (as shareholder, partner, director, auditor, agent, consultant, advisor, executive or/and employee and any other forms that including participation in management and conduct of duties)
  - (3) Indirect employment; even taking a form of employment in research institutes, schools, and partner companies of competitors, etc., but in practice, that of providing advice, consulting, and subcontracting services for competitors by employing them through their mediation or recommendation
  - (4) The act of providing service, information and technology or related work to the competitors in any form; such as consignment service, subcontract, entrustment, representing or work assistance.

In case I engage in any form of for-profit activities such as start-up or employment during this period, I will notify the Company before employment or start-up to check violation of Non-competition obligation in this pledge and obtain consent from the Company.

12. I will not engage in any act of recruiting, recommendation, luring, persuading or encouraging that form employment and/or other business relationships with competitors to the executives and the employees of the Company, either directly or through third parties, not only during my employment but also after my retirement.

13. In the event of violating each Article in the Pledge, I shall be subject to disciplinary actions in accordance with the Company's relevant regulations, and be liable for all civil and/or criminal liabilities, including compensations for damages, etc.
14. In the event of violating the Article in the Pledge without consent of the Company, I agree that the Company may file a lawsuit to a court in the Republic of Korea or a competent court of the competitor in question.

Original text: I hereby confirm that I have carefully read the above 14 Articles, and then put my signature hereto.

Handwriting: I hereby confirm that I have carefully read the above 14 Articles, and then put my signature hereto.

Employee Number: 12403706

Name: Gyoowan HAN

## List of the Trade Secrets

In relation to the Pledge of Protection of the Trade Secrets and Others for executives and/or employees, I shall hereby prepare and submit a list of the Trade Secrets as follows:

※ Cautions When Preparing a List of the Trade Secrets

Please describe in detail technical and/or managerial information and related data (in whole) for major duties from the time of joining the Company to the present in accordance with the trade secret standards specified in the Pledge of Protection for the Trade Secrets and Others.

1. Laser drilling Equipment
2. Laser Etcher Equipment for HIAA(Hole In Active Area)
3. Laser Cutting (Youm)
4. Laser Patterned Mask Equipment
5. Laser Surface Treatment System
6. ELA (Excimer Laser Annealing)
7. SLA (Solid Laser Annealing)
- 8.
- 9.
- 10.
- 11.
- 12.

*(Example) 1. Panel design technology (CSTN), MASK inspection technology*

*2. Outsourcing company, corporate site, capacity, yield, TAT, utilization rate information*

The Trade Secrets that I know shall not be limited to the list above.

March 22, 2019

Employee Number: 12403706

Name: Gyoowan HAN

**To Samsung Display Co., Ltd.**

# 영업비밀등보호서약서

본인은 회사 제직 중 종업원에게 있어서 "회사"의 정책으로서 영업비밀 등의 보호와 관련하여 다음과 같이 서약합니다.

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# 영업비밀목록

본인은 제직직중 영업비밀등의보호서약서와 관련하여 다음과 같이 영업비밀목록을 작성하여 제출합니다

1. Laser Drilling XMM
2. HIAA Laser Etcher XMM
3. Laser Cutting (Younm)
4. Laser Patterned Mask Xmm
5. Laser Surface Treatment System
6. E-VA
7. SCA

(회사) 1. Period 설계기술(CSTI, AMON 설계기술)

2. 약주사, 발판 Site, Case, 수송, HAT, 가동용 장비

본인이 알고 있는 영업비밀은 상기 목록에 한정하지 않습니다

2019년 3월 22일

성명 : 32722

성명 : 32722

성명 : 32722

21C1201US

LO-202008-127-1-US0

DY8262US

21세기특허법률사무소

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## DECLARATION AND ASSIGNMENT

Title of Invention: GLASS AND METHOD OF MANUFACTURING THE SAME

As a below named inventor, I hereby declare that:

This declaration is directed to:

☒ the attached application (Attorney Docket Number 21C1201US), or

☐ United States application or PCT international application number  
\_\_\_\_\_ filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the ("APPLICATION"));

Whereas, Samsung Display Co., Ltd., a corporation of Country of Korea having a place of business at 1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Republic of Korea (herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the INVENTION, to ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such

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patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Inventor: ALEXANDER VORONOV

Signature:  Date: 21.10.08

Legal Name of Inventor: HYUNGSIK KIM

Signature:  Date: 10/8/21

Legal Name of Inventor: SUNGGYU PARK

Signature:  Date: 21.10.08

Legal Name of Inventor: JUNGHWAN YOU

Signature:  Date: 21.10.08

Legal Name of Inventor: JOONGSUNG LEE

Signature:  Date: 21.10.08



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LO-202008-127-1-US0  
DY8262US

21세기특허법률사무소

Confidential and Privileged

Legal Name of Inventor: WOCHYUN JUNG

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

'21.10.8.

Legal Name of Inventor: GYOOWAN HAN

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

SAMSUNG DISPLAY