PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NS MATERIALS INC.	07/28/2023

RECEIVING PARTY DATA

Company Name:	TOPPAN INC.
Street Address:	Taito 1-chome, Taito-ku
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State/Country:	JAPAN
Postal Code:	110-0016

PROPERTY NUMBERS Total: 5

Property Type	Number
Application Number:	17405687
Application Number:	18268487
Patent Number:	11257981
Patent Number:	11629288
Patent Number:	11124703

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Total Attachments: 3

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ASSIGNMENT

WHEREAS, NS MATERIALS INC., a corporation organized and existing under the laws of JAPAN, whose mailing address is 511-1 Ryumyouji, Chikushino-City, Fukuoka, JAPAN 818-0042, hereinafter referred to as the ASSIGNOR, is the sole owner of the Patent Applications and Letters Patent listed in the attached Appendix (hereinafter referred to collectively as "Patent Applications and Letters Patent").

AND WHEREAS, **TOPPAN INC.**, a corporation organized and existing under the laws of JAPAN, whose mailing address is Taito 1-chome, Taito-ku, Tokyo, JAPAN 110-0016, hereinafter known as the ASSIGNEE, is desirous of acquiring ASSIGNOR's entire right, title and interest for the United States in and to said Patent Applications and Letters Patent, including any and all divisionals and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said Patent Applications and Letters Patent, for the United States including any and all divisionals and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said Patent Applications and Letters Patent, including any and all divisionals and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR hereby agrees to execute all papers necessary to file applications in the United States for said U.S. Patent Applications and to assign the same to said ASSIGNEE, or any assignee acquiring title to said U.S. Patent Applications, and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patent thereon.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said applications, and on any and all divisionals and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

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IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR, on the date indicated below.

NS MATERIALS INC.

Signature

Eiichi KANAUMI

Name

Chief Executive Officer

Title

28. July. 2023
Date

First Witness (optional):

不对骨朗

Nobuaki KIMURA Japanese Patent Attorney

2023/07/28

(Date)

Second Witness (optional):

Masayuki AMADA

Japanese Patent Attorney

July 28, 2023

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APPENDIX

U.S. Patent Applications

Application No.	Filing Date
17405687	08/18/2021
18268487	06/20/2023

U.S. Patent

Application No.	Filing Date	Patent No.	Issue Date
16/633,010	01/22/2020	11257981	02/22/2022
16/754,995	04/09/2020	11629288	04/18/2023
16754578	04/08/2020	11124703	09/21/2021

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PATENT REEL: 066827 FRAME: 0253