

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KEITA HIRAI	02/08/2021
SHOHEI KOIDE	03/05/2020
KEITA SUGIURA	03/05/2020
HIROSHI KATAYAMA	03/05/2020
RECEIVING PARTY DATA	
Name:	BROTHER KOGYO KABUSHIKI KAISHA
Street Address:	15-1, NAESHIRO-CHO, MIZUHO-KU
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State/Country:	JAPAN
Postal Code:	467-8561
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17361592
CORRESPONDENCE DATA	
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<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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ATTORNEY DOCKET NUMBER:	016689.00773
NAME OF SUBMITTER:	CHUNHSI ANDY MU
SIGNATURE:	/Chunhsi Andy Mu/
DATE SIGNED:	07/11/2022
Total Attachments: 3	
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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET, AND ASSIGNMENT**

<p>Title of Invention: 発明の名称:</p>	<p>HEAD MODULE</p>
<p>As the below named inventor, I hereby declare that: This declaration is directed to: <input type="checkbox"/> The attached application, or <input checked="" type="checkbox"/> United States application or PCT International Application Number <u>16/835,436</u> filed on <u>March 31, 2020</u>, 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 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.</p>	<p>私は、以下に記名された発明者として、ここに下記の通り宣誓する： 本宣言は以下に対するものである： <input type="checkbox"/> 添付出願書または <input checked="" type="checkbox"/> <u>2020年3月31日</u>の日に出願された米国出願番号またはPCT国際出願番号 <u>16/835,436</u>の出願書。 上記で特定した出願は私自身、あるいは私自身が権限を授与したものによって行われたものである。 私は、本出願において請求している発明の、本来の発明者または本来の共同発明者であると信じる。 私は本宣誓書における故意の虚偽の記載は米国法典第18編第1001条に基づき、罰金または五（5）年以下の懲役、もしくはその両方によって処罰されることがあることを理解する。</p>
<p>ASSIGNMENT: In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to</p>	<p>譲渡証: 各々の署名人に対して支払われた総額1ドル（\$1.00）および他の適切な有価約因を考慮して、本署名人（ら）は、</p>
<p>Name of Assignee: 譲受人の名称: Address of Assignee: 譲受人のアドレス:</p>	<p>BROTHER KOGYO KABUSHIKI KAISHA <u>15-1 Naeshiro-cho, Mizuho-ku, Nagoya 467-8561</u> <u>Japan</u></p>

<p>(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor for which the undersigned have executed an application for patent in the United States of America.</p> <p>I and the Assignee agree that signing of this document may be done electronically, and I intend, by applying my S-signature or handwritten signature, to be legally bound by this assignment.</p>	<p>(以下、譲受人と称する)に対して、本発明および、本発明に関し署名人が署名したアメリカ合衆国における特許出願および付与された特許証に関して、アメリカ合衆国ならびにその領土、属領、所有地における全ての権利、所有権、および利権を譲渡することに同意し、またここに移転し、譲渡する。</p> <p>私と譲受人は、この文書への署名が電子的に行われることに同意し、私は、S-signatureまたは手書き署名を適用することにより、この譲渡に法的に拘束されることを了承する。</p>
<p>Legal Name of Inventor/Assignor: <u>Keita HIRAI</u> <small>発明者/譲渡人の氏名</small></p> <p>Inventor/Assignor Signature (発明者/譲渡人の署名): <u>Keita Hiral</u></p> <p>Date (日付): <u>Feb. 8, 2021</u></p>	
<p>Legal Name of Inventor/Assignor: <u>Shohei KOIDE</u> <small>発明者/譲渡人の氏名</small></p> <p>Inventor/Assignor Signature (発明者/譲渡人の署名): _____</p> <p>Date (日付): _____</p>	
<p>Legal Name of Inventor/Assignor: <u>Keita SUGIURA</u> <small>発明者/譲渡人の氏名</small></p> <p>Inventor/Assignor Signature (発明者/譲渡人の署名): _____</p> <p>Date (日付): _____</p>	
<p>Legal Name of Inventor/Assignor: <u>Hiroshi KATAYAMA</u> <small>発明者/譲渡人の氏名</small></p> <p>Inventor/Assignor Signature (発明者/譲渡人の署名): _____</p> <p>Date (日付): _____</p>	
<p>Legal Name of Inventor/Assignor: _____ <small>発明者/譲渡人の氏名</small></p> <p>Inventor/Assignor Signature (発明者/譲渡人の署名): _____</p> <p>Date (日付): _____</p>	

ASSIGNMENT

- (1-8) Insert Name(s) of inventor(s)
 - (1) Keita HIRAI
 - (2) Shohei KOIDE
 - (3) Keita SUGIURA
 - (4) Hiroshi KATAYAMA
 - (5) _____
 - (6) _____
 - (7) _____
 - (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (9) Insert Name of Assignee (9) BROTHER KOGYO KABUSHIKI KAISHA
- (10) Insert Address of Assignee (10) 15-1 Naeshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, 467-8561 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

- (11) Insert Identification of Invention such as Title, Case Number, or Foreign Application Number (11) HEAD MODULE
- (Attorney Docket No. _____)

for which the undersigned has (have) executed an application for patent in the United States of America

- (12) Insert Date of Signing of Application (12) on Mar. 5, 2020

- (13) Alternative Identification for filed applications (13) U.S. application Serial Number _____ filed _____

- 1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.
- 6) The undersigned hereby grant(s) the firm of Banner & Witcoff, LTD 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 for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _____	Name of Inventor Keita HIRAI	(SEAL)
Date Mar. 5, 2020	Name of Inventor Shohei Koide Shohei KOIDE	(SEAL)
Date Mar. 5, 2020	Name of Inventor Keita Sugiura Keita SUGIURA	(SEAL)
Date Mar. 5, 2020	Name of Inventor Hiroshi Katayama Hiroshi KATAYAMA	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)

PATENT