

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MITSUHIRO ASANO	07/22/2022
	MASATO SHIMIZU	07/22/2022
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<b>Postal Code:</b>	581-0071	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	17877016
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	OSA-53093	
<b>NAME OF SUBMITTER:</b>	DAVID E. SPAW	
<b>SIGNATURE:</b>	/David E. Spaw/	
<b>DATE SIGNED:</b>	07/29/2022	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>		
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**MULTI-DIRECTIONAL INPUT DEVICE COMBINED DECLARATION  
AND ASSIGNMENT  
FOR UTILITY OR DESIGN APPLICATION**

**Title of  
Invention**

**MULTI-DIRECTIONAL INPUT DEVICE**

**DECLARATION**

As the below named inventor(s), I/we hereby declare that:

This declaration is directed to:

The attached application, or

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

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

I/we believe that I/we am/are the original inventor or the original joint inventors of a claimed invention in the application.

I/we 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

**ASSIGNMENT**

WHEREAS, new and useful improvements have been made by the undersigned in the above-identified invention, that are the subject of the above-identified application for a U.S. Patent, which application is further identified as Rankin, Hill & Clark LLP Docket No. OSA-53093

Whereas,

Hosiden Corporation  
(Name of Assignee)

of 4-33, Kitakyuhoji 1-chome, Yao-shi, Osaka, 581-0071, Japan  
(Address of Assignee)

(hereinafter designated as the Assignee) is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said above-identified application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof,

all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto Assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at Assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in Assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to Assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to Assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill & Clark LLP the power to insert on this assignment any identification that 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.

First Inventor (Legal Name): Mitsuhiro Asano

Signature: Mitsuhiro Asano

Date: July 22, 2022

Second Inventor (Legal Name): Masato Shimizu

Signature: Masato Shimizu

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

Third Inventor (Legal Name): \_\_\_\_\_

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