

## PATENT ASSIGNMENT COVER SHEET

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Assignment ID: PATI724188

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	Toyota Motor Engineering & Manufacturing North America, Inc.	12/10/2024
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	Toyota Jidosha Kabushiki Kaisha	
<b>Street Address:</b>	1, Toyota-cho	
<b>City:</b>	Toyota-shi	
<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	471-8571	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	18046601
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	2026836783	
<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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<b>Email:</b>	niceron@jordaniplaw.com,admin@jordaniplaw.com	
<b>Correspondent Name:</b>	Diallo T. Crenshaw	
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<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20006	
<b>ATTORNEY DOCKET NUMBER:</b>	IP-A-6043/8010-6427	
<b>NAME OF SUBMITTER:</b>	Nirma Ceron	
<b>SIGNATURE:</b>	Nirma Ceron	
<b>DATE SIGNED:</b>	12/30/2024	
<b>Total Attachments: 1</b>		
source=IP-A-6043 6427 Assignment_TJKK#page1.tiff		

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned assignor(s):

**Toyota Motor Engineering & Manufacturing North America, Inc.**

of 6565 Headquarters Drive, W1-3C, Plano, Texas, 75024, USA hereby sell, assign, and transfer to:

**Toyota Jidosha Kabushiki Kaisha,**

a corporation of Japan, having a principal place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

### **CHIRAL SENSING WITH HARMONIC GENERATION FROM A METASURFACE FABRICATED ON A SOI WAFER**

which was filed on October 14, 2022 as

U.S. Application Number 18/046,601 (Pat. No. 12,146,833) and  
COUNTRY or International Office

that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

TOYOTA MOTOR ENGINEERING &  
MANUFACTURING NORTH AMERICA, INC.

Frederick W. Mau II

Frederick W. Mau II (Dec 10, 2024 09:42 CST)

Name: Frederick W. Mau II  
Title: Intellectual Property Counsel

12/10/2024

Date