

## 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>
HIDEYUKI NAGAISHI	10/04/2019
AKIRA KURIYAMA	10/04/2019
AKIRA KITAYAMA	10/04/2019
HIROSHI KURODA	10/04/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI AUTOMOTIVE SYSTEMS, LTD.
<b>Street Address:</b>	2520, TAKABA
<b>City:</b>	HITACHINAKA-SHI, IBARAKI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	312-8503
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16611715
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)628-8844
<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>	202-624-2500
<b>Email:</b>	edocket@crowell.com, ehadi@crowell.com
<b>Correspondent Name:</b>	CROWELL & MORING LLP
<b>Address Line 1:</b>	P.O. BOX 14300
<b>Address Line 4:</b>	WASHINGTON, D.C. 20044-4300
<b>ATTORNEY DOCKET NUMBER:</b>	117818.PC803US
<b>NAME OF SUBMITTER:</b>	MICHAEL H. JACOBS
<b>SIGNATURE:</b>	/Michael H. Jacobs/
<b>DATE SIGNED:</b>	11/11/2019
<b>Total Attachments: 3</b>	
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source=PC803US_Assignment#page2.tif	
source=PC803US_Assignment#page3.tif	

# ASSIGNMENT

( 譲渡証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me by Hitachi Automotive Systems, Ltd., a corporation organized under the laws of Japan, located at 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Automotive Systems, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## ANTENNA, ARRAY ANTENNA, RADAR APPARATUS, AND IN-VEHICLE SYSTEM

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi Automotive Systems, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Automotive Systems, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)  
(発明者フルネームサイン)

Date Signed  
(署名日)

1)	<u>Hideyuki Nagaishi</u>	Hideyuki NAGAISHI	<u>10/04/2019</u>
2)		Akira KURIYAMA	
3)	<u>Akira Kitayama</u>	Akira KITAYAMA	<u>10/04/2019</u>
4)		Hiroshi KURODA	
5)			
6)			
7)			
8)			
9)			
10)			

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(発明者フルネームサイン)

Date Signed  
(署名日)

1) \_\_\_\_\_ Hideyuki NAGAISHI

2) Akira Kuriyama Akira KURIYAMA

10/4/2019

3) \_\_\_\_\_ Akira KITAYAMA

4) \_\_\_\_\_ Hiroshi KURODA

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

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(署名日)

1)	Hideyuki NAGAISHI	
2)	Akira KURIYAMA	
3)	Akira KITAYAMA	
4)	<i>Hiroshi Kuroda</i> Hiroshi KURODA	<i>Oct. 4, 2019</i>
5)		
6)		
7)		
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10)		