

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

Assignment ID: PATI34816

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|------------------------------|----------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT     |

## CONVEYING PARTY DATA

| Name                                                 | Execution Date |
|------------------------------------------------------|----------------|
| Panasonic Intellectual Property Management Co., Ltd. | 02/07/2024     |

## RECEIVING PARTY DATA

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Company Name:</b>   | Panasonic Automotive Systems Co., Ltd. |
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| <b>State/Country:</b>  | JAPAN                                  |
| <b>Postal Code:</b>    | 224-8520                               |

## PROPERTY NUMBERS Total: 99

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16131928 |
| Application Number: | 15955743 |
| Application Number: | 16137274 |
| Application Number: | 16149442 |
| Application Number: | 15950211 |
| Application Number: | 16080440 |
| Application Number: | 15478292 |
| Application Number: | 16082560 |
| Application Number: | 16095449 |
| Application Number: | 16095068 |
| Application Number: | 16084417 |
| Application Number: | 16069904 |
| Application Number: | 15814558 |
| Application Number: | 15602147 |
| Application Number: | 16082319 |
| Application Number: | 15448703 |
| Application Number: | 15617367 |
| Application Number: | 15605645 |
| Application Number: | 15634287 |
| Application Number: | 16303174 |

PATENT

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15603062 |
| Application Number: | 15647726 |
| Application Number: | 11909038 |
| Application Number: | 12812313 |
| Application Number: | 13514658 |
| Application Number: | 13286291 |
| Application Number: | 14303608 |
| Application Number: | 14267680 |
| Application Number: | 14237804 |
| Application Number: | 13688651 |
| Application Number: | 13705292 |
| Application Number: | 13742444 |
| Application Number: | 14004205 |
| Application Number: | 14453614 |
| Application Number: | 14401094 |
| Application Number: | 14467063 |
| Application Number: | 13788282 |
| Application Number: | 14113814 |
| Application Number: | 14240027 |
| Application Number: | 14404910 |
| Application Number: | 14391530 |
| Application Number: | 14413582 |
| Application Number: | 14648714 |
| Application Number: | 14897522 |
| Application Number: | 14762482 |
| Application Number: | 14185659 |
| Application Number: | 14767306 |
| Application Number: | 14428666 |
| Application Number: | 14652300 |
| Application Number: | 14778576 |
| Application Number: | 14654514 |
| Application Number: | 14898706 |
| Application Number: | 14950974 |
| Application Number: | 14889141 |
| Application Number: | 14895001 |
| Application Number: | 14916346 |
| Application Number: | 15074012 |
| Application Number: | 15256736 |

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14908092 |
| Application Number: | 14910749 |
| Application Number: | 14889314 |
| Application Number: | 15075107 |
| Application Number: | 15026988 |
| Application Number: | 14654550 |
| Application Number: | 15022206 |
| Application Number: | 14889435 |
| Application Number: | 15026990 |
| Application Number: | 14886188 |
| Application Number: | 14890148 |
| Application Number: | 15104525 |
| Application Number: | 15023419 |
| Application Number: | 15102336 |
| Application Number: | 14565941 |
| Application Number: | 15023681 |
| Application Number: | 15106627 |
| Application Number: | 14907243 |
| Application Number: | 15100644 |
| Application Number: | 15079683 |
| Application Number: | 17474486 |
| Application Number: | 14594044 |
| Application Number: | 15301857 |
| Application Number: | 15111796 |
| Application Number: | 15216990 |
| Application Number: | 15032657 |
| Application Number: | 15250031 |
| Application Number: | 15047060 |
| Application Number: | 15118426 |
| Application Number: | 14702235 |
| Application Number: | 14940847 |
| Application Number: | 15121025 |
| Application Number: | 15214841 |
| Application Number: | 15214655 |
| Application Number: | 14722436 |
| Application Number: | 14671682 |
| Application Number: | 15308354 |
| Application Number: | 15308356 |

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15307324 |
| Application Number: | 15124693 |
| Application Number: | 15301865 |

**CORRESPONDENCE DATA**

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|                                |                           |
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| <b>NAME OF SUBMITTER:</b>      | HISANORI SUGIURA          |
| <b>SIGNATURE:</b>              | HISANORI SUGIURA          |
| <b>DATE SIGNED:</b>            | 02/28/2024                |

**Total Attachments: 3**  
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## Assignment

Whereas, Panasonic Intellectual Property Management Co., Ltd., of 22-6, Moto-machi, Kadoma-shi, Osaka 571-0057 Japan, hereinafter referred to as "Assignor", solely or jointly owns the entire right, title and interest in United States Patent(s) and/or Application(s) mentioned in the attached schedule; and

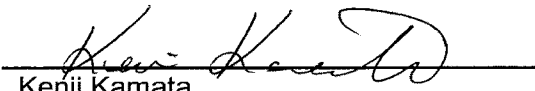
Whereas, Panasonic Automotive Systems Co., Ltd. of 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa 224-8520 Japan, hereinafter referred to as "Assignee", desires to acquire the entire right, title and interest of the Assignor in the said U.S. Patent(s) and/or Application(s);

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, its successors and assigns, its entire right, title and interest in the said U.S. Patent(s) and/or Application(s), and any divisional, continuing, reissue, re-examinations or other applications based in whole or in part thereon, together with all claims for damages by reason of past infringement of the said U.S. Patent(s) and/or Application(s) with the right to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

**Panasonic Intellectual Property Management Co., Ltd.**

**Date:** Feb 7, 2024

**By:**   
Kenji Kamata  
Authorized Signing Officer

< Schedule >

Patent(s) and/or Application(s)

| Our Reference No. | Application No. | Our Reference No. | Application No. |
|-------------------|-----------------|-------------------|-----------------|
| P0465305US01      | 16/131928       | P0608764US01      | 13/705292       |
| P0465326US01      | 15/955743       | P0609110US01      | 13/742444       |
| P0465392US01      | 16/137274       | P0611298US01      | 14/004205       |
| P0465585US01      | 16/149442       | P0611493US01      | 14/453614       |
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| P0465627US01      | 16/082560       | P0612813US01      | 14/113814       |
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| P0465927US01      | 15/448703       | P0615258US01      | 14/185659       |
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| P0604401US01      | 13/286291       | P0620452US01      | 14/916346       |
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| P0607842US01      | 14/267680       | P0620615US01      | 15/256736       |
| P0608245US01      | 14/237804       | P0620649US01      | 14/908092       |
| P0608662US01      | 13/688651       | P0620658US01      | 14/910749       |

Patent(s) and/or Application(s)

| Our Reference No. | Application No. | Our Reference No. | Application No. |
|-------------------|-----------------|-------------------|-----------------|
| P0620852US01      | 14/889314       | P0622389US01      | 15/301857       |
| P0620858US01      | 15/075107       | P0622423US01      | 15/111796       |
| P0620902US01      | 15/026988       | P0622441US01      | 15/216990       |
| P0620939US01      | 14/654550       | P0622509US01      | 15/032657       |
| P0620954US01      | 15/022206       | P0622588US01      | 15/250031       |
| P0621019US01      | 14/889435       | P0622607US01      | 15/047060       |
| P0621304US01      | 15/026990       | P0622632US01      | 15/118426       |
| P0621345US01      | 14/886188       | P0622681US01      | 14/702235       |
| P0621382US01      | 14/890148       | P0622695US01      | 14/940847       |
| P0621386US01      | 15/104525       | P0622820US01      | 15/121025       |
| P0621531US01      | 15/023419       | P0622925US01      | 15/214841       |
| P0621573US01      | 15/102336       | P0622926US01      | 15/214655       |
| P0621602US01      | 14/565941       | P0622976US01      | 14/722436       |
| P0621608US01      | 15/023681       | P0623010US01      | 14/671682       |
| P0622016US01      | 15/106627       | P0623019US01      | 15/308354       |
| P0622027US01      | 14/907243       | P0623024US01      | 15/308356       |
| P0622070US01      | 15/100644       | P0623025US01      | 15/307324       |
| P0622119US03      | 15/079683       | P0623078US01      | 15/124693       |
| P0622119US05      | 17/474486       | P0623088US01      | 15/301865       |
| P0622172US01      | 14/594044       |                   |                 |