

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7357880

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KAZUHIRO ABE	03/28/2022
HIROYOSHI SHIMONO	03/30/2022
KAZUKI MORITA	03/26/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AUTOLIV DEVELOPMENT AB
<b>Street Address:</b>	WALLENTINSVAGEN 22
<b>City:</b>	VARGARDA
<b>State/Country:</b>	SWEDEN
<b>Postal Code:</b>	44783
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17756694
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	7162394300
<b>Email:</b>	sthiede@questel.com
<b>Correspondent Name:</b>	COLSON LAW GROUP
<b>Address Line 1:</b>	5555 MAIN STREET
<b>Address Line 4:</b>	BUFFALO, NEW YORK 14221
<b>ATTORNEY DOCKET NUMBER:</b>	P711268-JP-US
<b>NAME OF SUBMITTER:</b>	ROBERT P. SIMPSON
<b>SIGNATURE:</b>	/Robert P. Simpson/
<b>DATE SIGNED:</b>	05/31/2022
<b>Total Attachments: 6</b>	
source=US-DeclarationAndAssignment-Executed_P711268-JP-US#page1.tif	
source=US-DeclarationAndAssignment-Executed_P711268-JP-US#page2.tif	
source=US-DeclarationAndAssignment-Executed_P711268-JP-US#page3.tif	
source=US-DeclarationAndAssignment-Executed_P711268-JP-US#page4.tif	

source=US-DeclarationAndAssignment-Executed\_P711268-JP-US#page5.tif

source=US-DeclarationAndAssignment-Executed\_P711268-JP-US#page6.tif

**PATENT**

**REEL: 060058 FRAME: 0824**

**DECLARATION AND ASSIGNMENT**

As a below named inventor, I hereby declare that: I believe I am the original inventor or an original joint inventor of a claimed invention in the application, which is entitled:

**AIRBAG DEVICE**

the specification of which is attached hereto along with any applicable amendments. hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. The above-identified application was made or authorized to be made by me. I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. 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. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s) listed below, or 365(a) of any PCT international application, listed below and have also identified below any foreign application for patent, inventor's certificate(s) or any PCT international application having a filing date before that of the application on which priority is claimed: PRIOR FOREIGN APPLICATION(S):

**PRIORITY AND PCT INFORMATION**

Country	Priority Application Number	Priority Date
JP	2019-220388	05 Dec 2019
WO	PCT/JP2020/039198	17 Oct 2020

WHEREAS, I, the undersigned, residing at the indicated address given next to my name below, have made an invention entitled - AIRBAG DEVICE -, which is described in the above-identified PRIOR FOREIGN APPLICATION(S) listed by priority Patent Application number(s), date(s) and priority country.

WHEREAS, Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE desires to acquire the entire right, title and interest in and to said invention and in, to and under any Patent Applications which may be filed and any Letters Patent granted covering the invention in the United States and in any and all other countries.

NOW, THEREFORE, in view of my employment with Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE and other valuable consideration which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE its successors and assigns, the entire right, title and interest to the invention in

the United States and in all other countries and the entire right, title, and interest in and to any and all patent applications covering the above invention, including the above identified application(s) and any and all corresponding and related applications in the United States and all countries, and the entire right, title, and interest in and to any and all Letters Patent which may be granted covering the invention in the United States and in any and all other countries and in and to any and all divisions, reissues, continuations, and extensions thereof, to the extent that I am an inventor of such invention and I covenant that I have the full right to do so.

I hereby authorize and request the Patent Office Officials in the United States and in any and all other countries to issue any and all of said Letters Patent, when granted, to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, as the assignee of the entire right, title and interest in and to the same, for the sole use of Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, its successors and assigns. I further agree that I will communicate to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE or its representatives or agents all facts and information known or available to me regarding said invention whenever requested; I will testify in any interference or other legal proceeding; I will execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc. and generally do everything possible to aid said Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, its successors and assigns, at its expense, in obtaining and enforcing proper protection for said invention in the United States and all other countries.

This Assignment shall be effective the earlier of: the date of my signature as indicated next to my name below, or the date of the last priority filing listed above.

IN TESTIMONY WHEREOF, I hereby execute this assignment:

Inventor Name: ABE, Kazuhiro

Signature: Kazuhiro ABE

Date: March 28 2022

Mailing Address: c/o Autoliv Japan Ltd., 3-17-6, Shinyokohama, Kouhoku-ku,  
Yokohama-shi, Kanagawa, 2220033, JP

Citizen of: JP

**DECLARATION AND ASSIGNMENT**

As a below named inventor, I hereby declare that: I believe I am the original inventor or an original joint inventor of a claimed invention in the application, which is entitled:

**AIRBAG DEVICE**

the specification of which is attached hereto along with any applicable amendments, hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. The above-identified application was made or authorized to be made by me. I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. 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. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s) listed below, or 365(a) of any PCT international application, listed below and have also identified below any foreign application for patent, inventor's certificate(s) or any PCT international application having a filing date before that of the application on which priority is claimed: PRIOR FOREIGN APPLICATION(S):

**PRIORITY AND PCT INFORMATION**

Country	Priority Application Number	Priority Date
JP	2019-220388	05 Dec 2019
WO	PCT/JP2020/039198	17 Oct 2020

WHEREAS, I, the undersigned, residing at the indicated address given next to my name below, have made an invention entitled - AIRBAG DEVICE -, which is described in the above-identified PRIOR FOREIGN APPLICATION(S) listed by priority Patent Application number(s), date(s) and priority country.

WHEREAS, Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE desires to acquire the entire right, title and interest in and to said invention and in, to and under any Patent Applications which may be filed and any Letters Patent granted covering the invention in the United States and in any and all other countries.

NOW, THEREFORE, in view of my employment with Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE and other valuable consideration which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE its successors and assigns, the entire right, title and interest to the invention in

the United States and in all other countries and the entire right, title, and interest in and to any and all patent applications covering the above invention, including the above identified application(s) and any and all corresponding and related applications in the United States and all countries, and the entire right, title, and interest in and to any and all Letters Patent which may be granted covering the invention in the United States and in any and all other countries and in and to any and all divisions, reissues, continuations, and extensions thereof, to the extent that I am an inventor of such invention and I covenant that I have the full right to do so.

I hereby authorize and request the Patent Office Officials in the United States and in any and all other countries to issue any and all of said Letters Patent, when granted, to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, as the assignee of the entire right, title and interest in and to the same, for the sole use of Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, its successors and assigns. I further agree that I will communicate to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE or its representatives or agents all facts and information known or available to me regarding said invention whenever requested; I will testify in any interference or other legal proceeding; I will execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc. and generally do everything possible to aid said Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, its successors and assigns, at its expense, in obtaining and enforcing proper protection for said invention in the United States and all other countries.

This Assignment shall be effective the earlier of: the date of my signature as indicated next to my name below, or the date of the last priority filing listed above.

IN TESTIMONY WHEREOF, I hereby execute this assignment:

Inventor Name: SHIMONO, Hiroyoshi

Signature: \_\_\_\_\_

*Hiroyoshi Shimono*

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

*2022. 3. 30*

Mailing Address: c/o Autoliv Japan Ltd., 3-17-6, Shinyokohama, Kouhoku-ku,  
Yokohama-shi, Kanagawa, 2220033, JP

Citizen of: JP

**DECLARATION AND ASSIGNMENT**

As a below named inventor, I hereby declare that: I believe I am the original inventor or an original joint inventor of a claimed invention in the application, which is entitled:

**AIRBAG DEVICE**

the specification of which is attached hereto along with any applicable amendments. hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. The above-identified application was made or authorized to be made by me. I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. 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. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s) listed below, or 365(a) of any PCT international application, listed below and have also identified below any foreign application for patent, inventor's certificate(s) or any PCT international application having a filing date before that of the application on which priority is claimed: PRIOR FOREIGN APPLICATION(S):

**PRIORITY AND PCT INFORMATION**

Country	Priority Application Number	Priority Date
JP	2019-220388	05 Dec 2019
WO	PCT/JP2020/039198	17 Oct 2020

WHEREAS, I, the undersigned, residing at the indicated address given next to my name below, have made an invention entitled - AIRBAG DEVICE -, which is described in the above-identified PRIOR FOREIGN APPLICATION(S) listed by priority Patent Application number(s), date(s) and priority country.

WHEREAS, Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE desires to acquire the entire right, title and interest in and to said invention and in, to and under any Patent Applications which may be filed and any Letters Patent granted covering the invention in the United States and in any and all other countries.

NOW, THEREFORE, in view of my employment with Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE and other valuable consideration which is hereby acknowledged, I, the undersigned, hereby sell, assign, and transfer to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE its successors and assigns, the entire right, title and interest to the invention in

the United States and in all other countries and the entire right, title, and interest in and to any and all patent applications covering the above invention, including the above identified application(s) and any and all corresponding and related applications in the United States and all countries, and the entire right, title, and interest in and to any and all Letters Patent which may be granted covering the invention in the United States and in any and all other countries and in and to any and all divisions, reissues, continuations, and extensions thereof, to the extent that I am an inventor of such invention and I covenant that I have the full right to do so.

I hereby authorize and request the Patent Office Officials in the United States and in any and all other countries to issue any and all of said Letters Patent, when granted, to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, as the assignee of the entire right, title and interest in and to the same, for the sole use of Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, its successors and assigns. I further agree that I will communicate to Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE or its representatives or agents all facts and information known or available to me regarding said invention whenever requested; I will testify in any interference or other legal proceeding; I will execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc. and generally do everything possible to aid said Autoliv Development AB Wallentinsvägen 22 Vargarda, 44783 SE, its successors and assigns, at its expense, in obtaining and enforcing proper protection for said invention in the United States and all other countries.

This Assignment shall be effective the earlier of: the date of my signature as indicated next to my name below, or the date of the last priority filing listed above.

IN TESTIMONY WHEREOF, I hereby execute this assignment:

Inventor Name: MORITA, Kazuki

Signature: Kazuki Morita

Date: 2022. 3. 26

Mailing Address: c/o Autoliv Japan Ltd., 3-17-6, Shinyokohama, Kouhoku-ku,  
Yokohama-shi, Kanagawa, 2220033, JP

Citizen of: JP