

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5088787

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYAN M. HAHNLEN	08/06/2018
DUANE TRENT DETWILER	08/06/2018
ALLEN B. SHELDON	08/06/2018
MARCELO J. DAPINO	08/02/2018
MARK BRYANT GINGERICH	08/02/2018
LEON M. HEADINGS	08/02/2018

RECEIVING PARTY DATA

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Street Address:	1-1, MINAMI-AOYAMA, 2-CHOME
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City:	TOKYO
State/Country:	JAPAN
Postal Code:	107-8556
Name:	THE OHIO STATE UNIVERSITY
Street Address:	1524 N. HIGH STREET
City:	COLUMBUS
State/Country:	OHIO
Postal Code:	43201

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16058440

CORRESPONDENCE DATA

Fax Number: (216)566-9711

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PATENT

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ATTORNEY DOCKET NUMBER:	HRA-42470.01
NAME OF SUBMITTER:	MATTHEW T. WATERS
SIGNATURE:	/Matthew T. Waters/
DATE SIGNED:	08/08/2018
Total Attachments: 11 source=AssnRec-Honda#page1.tif source=AssnRec-Honda#page2.tif source=AssnRec-Honda#page3.tif source=AssnRec-Honda#page4.tif source=AssnRec-Honda#page5.tif source=AssnRec-Honda#page6.tif source=AssnRec-OSU#page1.tif source=AssnRec-OSU#page2.tif source=AssnRec-OSU#page3.tif source=AssnRec-OSU#page4.tif source=AssnRec-OSU#page5.tif	

WHEN RECORDED RETURN TO:
RANKIN, HILL & CLARK LLP

PATENT APPLICATION
Docket No.: HRA-42470.01

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made
an invention entitled

DESIGN FEATURES OF DISSIMILAR MATERIAL - REINFORCED BLANKS AND
EXTRUSIONS FOR FORMING

Preferred embodiments of said invention are disclosed in a United States patent
application which:

X Is executed concurrently herewith for filing in the United States Patent and
 Trademark Office and has been assigned Application Serial No.
 with a filing date of

 Was previously filed in the United States Patent and Trademark Office

 On as Application Serial No.

 Is a United States National Application of PCT International Application

 No. filed

(The undersigned hereby grants to the attorneys of

 RANKIN, HILL & CLARK LLP

and Honda Patents & Technologies North America, LLC 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, including but not limited to the application number and filing date, if not already
provided in this document.)

ASSIGNMENT HRA-42470.01

PATENT
REEL: 046587 FRAME: 0648

WHEREAS, The Assignee, Honda Motor Co., Ltd., having a principal place of business at

1-1, Minami-Aoyama 2-Chome, Minato-ku, Tokyo, 107-8556, Japan

desires to secure the entire right, title, and interest, throughout the world, in, to, and under said invention and the patent rights therefor.


NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said invention and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said 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 invention 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 invention, 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, including the right to claim the benefits of the International Convention for such applications.

ASSIGNMENT HRA-42470.01

PATENT
REEL: 046587 FRAME: 0649


This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 1 Name: Ryan M. Hahnen

Inventor's signature:  Date: 8/6/18

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 2 Name: Duane Trent Detwiler

Inventor's signature:  Date: 8/6/2018

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 3 Name: Allen B. Sheldon

Inventor's signature: AB Sheldon Date: 8/6/18

WHEN RECORDED RETURN TO:
RANKIN, HILL & CLARK LLP

PATENT APPLICATION
Docket No.: HRA-42470.01

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made
an invention entitled

DESIGN FEATURES OF DISSIMILAR MATERIAL - REINFORCED BLANKS AND
EXTRUSIONS FOR FORMING

Preferred embodiments of said invention are disclosed in a United States patent
application which:

X Is executed concurrently herewith for filing in the United States Patent and
 Trademark Office and has been assigned Application Serial No.
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On as Application Serial No.

Is a United States National Application of PCT International Application

No. filed

(The undersigned hereby grants to the attorneys of

RANKIN, HILL & CLARK LLP

and The Ohio State University 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, including but not
limited to the application number and filing date, if not already provided in this
document.)

ASSIGNMENT HRA-42470.01

PATENT
REEL: 046587 FRAME: 0654

WHEREAS, The Assignee, The Ohio State University, having a principal place of business at

1524 North High Street, Columbus, Ohio 43201

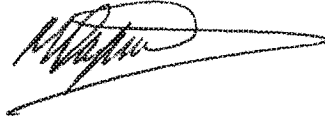
desires to secure the entire right, title, and interest, throughout the world, in, to, and under said invention and the patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said invention and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said 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 invention 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 invention, 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, including the right to claim the benefits of the International Convention for such applications.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 1 Name: Marcelo J. Dapino

Inventor's signature:

A handwritten signature in black ink, appearing to read 'M. Dapino', with a long horizontal flourish extending to the right.

Date: 8/2/2018

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 2 Name: Mark Bryant Gingerich

Inventor's signature:  Date: 8/2/18

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 3 Name: Leon M. Headings

Inventor's signature: Leon M. Headings Date: 8-2-2018

ASSIGNMENT HRA-42470.01

PATENT

RECORDED: 08/08/2018

REEL: 046587 FRAME: 0658