

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kevin R. Beutler</td><td>12/10/2008</td></tr><tr><td>James P. Borowiak</td><td>12/10/2008</td></tr><tr><td>Gregory J. Hilker</td><td>12/11/2008</td></tr><tr><td>David C. Johnson</td><td>12/12/2008</td></tr><tr><td>Rajendra D. Patil</td><td>12/30/2008</td></tr><tr><td>Jeffrey E. Rea</td><td>12/12/2008</td></tr></tbody></table>	Name	Execution Date	Kevin R. Beutler	12/10/2008	James P. Borowiak	12/10/2008	Gregory J. Hilker	12/11/2008	David C. Johnson	12/12/2008	Rajendra D. Patil	12/30/2008	Jeffrey E. Rea	12/12/2008	
Name	Execution Date														
Kevin R. Beutler	12/10/2008														
James P. Borowiak	12/10/2008														
Gregory J. Hilker	12/11/2008														
David C. Johnson	12/12/2008														
Rajendra D. Patil	12/30/2008														
Jeffrey E. Rea	12/12/2008														
RECEIVING PARTY DATA															
Name:	American Axle & Manufacturing, Inc.														
Street Address:	One Dauch Drive														
City:	Detroit														
State/Country:	MICHIGAN														
Postal Code:	48211-1198														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12342734</td></tr></tbody></table>	Property Type	Number	Application Number:	12342734											
Property Type	Number														
Application Number:	12342734														
CORRESPONDENCE DATA															
Fax Number:	(248)641-0270														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	248-641-1600														
Email:	crichard@hdp.com														
Correspondent Name:	Philip E. Rettig														
Address Line 1:	5445 Corporate Drive, Suite 200														
Address Line 4:	Troy, MICHIGAN 48098														
ATTORNEY DOCKET NUMBER:	9539-000179/US														
NAME OF SUBMITTER:	Michael D. Zalobsky														

CH \$40.00 12342734

PATENT

500748546

REEL: 022074 FRAME: 0480

Total Attachments: 5

source=12342734_Assignment#page1.tif

source=12342734_Assignment#page2.tif

source=12342734_Assignment#page3.tif

source=12342734_Assignment#page4.tif

source=12342734_Assignment#page5.tif

ASSIGNMENT

Atty. Docket No. 9539-000179

The undersigned, hereinafter referred to collectively as Assignor, has an interest in the invention entitled:

AXLE ASSEMBLY WITH AXLE HOUSING ASSEMBLY HAVING AIR SCOOPS FOR COOLING

which is the subject of a United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on _____, _____, _____;
- (c) ☒ filed on December 23, 2008, and assigned Serial No. 12/342,734;
- (d) ☐ U.S. Patent No. _____, issued _____, and
☐ presently assigned as evidenced at Reel _____, Frame _____; or
- (e) ☐ entitled above and naming the undersigned inventors in this provisional patent application; and

American Axle & Manufacturing, Inc., One Dauch Drive, Detroit, Michigan 48211-1198, hereinafter referred to as Assignee, is desirous of acquiring Assignor's interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

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

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes an attorney authorized to prosecute this patent application to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

ASSIGNMENT

Atty. Docket No 9539-000179

Kevin R. Beutler

Kevin R. Beutler

Date: 12/10/2008

WITNESSES:

x Large John

x John

James P. Borowiak

James P. Borowiak

Date: 12/10/08

WITNESSES:

x [Signature]

x Mark A. Achmann

Gregory J. Hilker

Gregory J. Hilker

Date: 12/11/2008

WITNESSES:

x Benjamin Walker

x Jeff Kint

ASSIGNMENT

Atty Docket No. 9539-000179

David C. Johnson
David C. Johnson

Date: 12/12/2008

WITNESSES:

X William A. Reid Jr.

X Benjamin L. Walker

Rajendra D. Patil

Date: _____

WITNESSES:

X _____

X _____

Jeffrey E. Rea

Date: _____

WITNESSES:

X _____

X _____

ASSIGNMENT

Atty. Docket No. 9539-000179

David C. Johnson

Date: _____

WITNESSES:

X _____

X _____



Rajendra D. Patil

Date: 12/30/08

WITNESSES:

X _____

X _____


Milind Ravan


Alpana Ravan

Jeffrey E. Rea

Date: _____

WITNESSES:

X _____

X _____

ASSIGNMENT

Atty. Docket No. 9539-000179

David C. Johnson

Date: _____

WITNESSES:

X _____

X _____

Rajendra D. Patil

Date: _____

WITNESSES:

X _____

X _____

Jeffrey E. Rea

Date: 12 Dec 2008

WITNESSES:

x Jeff C. Hansen

x David I. Holtz