

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3115081

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOSH E. LOUKUS	10/31/2014
ADAM R. LOUKUS	10/31/2014
TRAVIS PENNALA	10/31/2014
LUKE LUSKIN	10/31/2014
RECEIVING PARTY DATA	
Name:	REL, INC.
Street Address:	57640 NORTH ELEVENTH STREET
City:	CALUMET
State/Country:	MICHIGAN
Postal Code:	49913
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	61623532
Application Number:	61690727
Application Number:	13836001
PCT Number:	US1335892
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	DOCKETING@PDSDLAW.COM
Correspondent Name:	PAULY, DEVRIES SMITH & DEFFNER, LLC
Address Line 1:	121 SOUTH 8TH STREET
Address Line 2:	TCF TOWER, SUITE 900
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
NAME OF SUBMITTER:	MICHAEL J FELLER
SIGNATURE:	/Michael J. Feller/
DATE SIGNED:	11/19/2014
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, We, Josh E. Loukus, and Adam R. Loukus, and Travis Pennala, and Luke Luskin made certain new and useful inventions and improvements for which We have filed and will file applications for patents as listed below:

- 1) U.S. Provisional Application Serial Number 61/623,532 filed April 12, 2012, entitled THERMAL ISOLATION FOR CASTING ARTICLES; and
- 2) U.S. Provisional Application Serial Number 61/690,727 filed July 3, 2012, entitled MMC WITH ENHANCED THERMAL ISOLATION; and
- 3) U.S. Patent Application Serial Number 13/836,001 filed March 15, 2013, entitled THERMAL ISOLATION SPRAY FOR CASTING ARTICLES; and
- 4) PCT Application Serial Number PCT/US2013/035892 filed April 10, 2013, originally entitled THERMAL ISOLATION SPRAY FOR CASTING ARTICLES, and subsequently retitled METHOD OF CASTING COMPOSITE ARTICLES; and
- 5) Canadian Application Serial Number _____ filed October 10, 2014, entitled METHOD OF CASTING COMPOSITE ARTICLES, and having attorney docket number 380.0001CAW2; and
- 6) Japanese Application Serial Number _____ filed October 10, 2014, entitled METHOD OF CASTING COMPOSITE ARTICLES, and having attorney docket number 380.0001JPW2; and
- 7) European Application Serial Number _____ filed _____, entitled METHOD OF CASTING COMPOSITE ARTICLES, and having attorney docket number 380.0001EPW2.

AND WHEREAS, REL, Inc., having an office and place of business at 57640 North Eleventh Street, Calumet, MI 49913 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, We have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid applications, and in and to the said applications, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications and patents from which the aforesaid applications claim priority, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and the right to enforce patent rights to the aforementioned applications as fully and entirely as the same would have been held and enjoyed by Us if this assignment had not been made; and to all claims by Us for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

We do hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

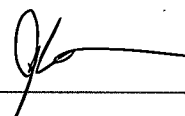
AND, for the consideration aforesaid, We do hereby agree that We and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

We further authorize and direct the assignee and its attorneys to insert above the application numbers and filing dates of said above identified applications as soon as the same shall have become known to them.

AND, furthermore, We covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

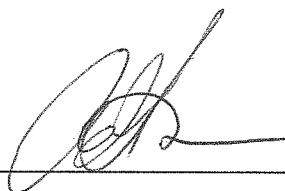
This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 31st day of
October, 2014.




Josh E. Loukus

IN TESTIMONY WHEREOF, I have hereunto set my hand this 31st day of
October, 2014.



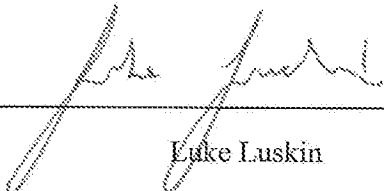
Adam R. Loukus

IN TESTIMONY WHEREOF, I have hereunto set my hand this 31st day of
October, 2014.



Travis Pennala

IN TESTIMONY WHEREOF, I have hereunto set my hand this 31st day of
October, 2014.



Luke Luskin