

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4181980

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID LYNN HARRISON	12/07/2016
LAWRENCE ROBERT CUMMING	12/07/2016
GLENN FORD BITTROLF	12/07/2016
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Street Address:	1725 SHEPHERD ROAD
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State/Country:	TENNESSEE
Postal Code:	37421
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15372615
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NAME OF SUBMITTER:	DAVID J. HILL
SIGNATURE:	/David J. Hill/
DATE SIGNED:	12/13/2016
Total Attachments: 3	
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ASSIGNMENT

We, **David Lynn Harrison, Lawrence Robert Cumming and Glenn Ford Bittrolf**, have made a new and useful invention for which we intend to file a Non-Provisional Patent Application in the United States Patent and Trademark Office and a PCT patent application in the U.S. Receiving Office, which applications: (1) are entitled **Horizontal Grinding Machine With Engine Fuel Consumption Control**, and (2) claim priority from U.S. Provisional Patent Application No. 62/265,104.

In consideration of one dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, and intending to be legally bound, we do hereby sell, assign and transfer to Astec Industries, Inc., a corporation organized and existing under the laws of the State of Tennessee, and having its principal place of business in Chattanooga, in Hamilton County and the State of Tennessee, its successors, assigns and legal representatives, our entire right, title and interest, for all countries, in and to any and all inventions, discoveries and improvements which are disclosed and claimed, and any and all inventions, discoveries and improvements which are disclosed but not claimed, in the aforementioned patent applications, and in and to said applications and all divisional, continuing, substitute, renewal, reissue and all other applications which have been or shall be filed on any of said inventions, discoveries and improvements disclosed in either or both of said applications, and in and to all original and reissue patents which shall be issued by the United States or any other country on any of said inventions, discoveries and improvements.

This assignment includes the right to file and prosecute any and all such applications, and the right to sue and recover for any and all infringements of any of said patents.

We hereby authorize and request the Director of the United States Patent and Trademark Office to issue to said assignee, Astec Industries, Inc., its successors, assigns and legal representatives, any and all United States Patents on said inventions, discoveries and improvements, or any of them, disclosed in the aforementioned Non-Provisional U.S. Patent Application, in accordance with this assignment. We also authorize and request the Patent Office of each country in which a corresponding patent application is filed to issue to said assignee, Astec Industries, Inc., its successors, assigns and legal representatives, any and all patents on said inventions, discoveries and improvements, or any of them, disclosed in the aforementioned PCT Patent Application, in accordance with this assignment.

We agree that, when requested, without charge but at the expense of said assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, we will, for all countries, (1) execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all of said inventions, discoveries and improvements, (2) execute all rightful oaths, declarations and other papers, (3) communicate to said assignee, its successors, assigns and representatives, all facts known to us relating to said inventions, discoveries and improvements and the history thereof, (4) testify in all legal proceedings relating to said inventions, discoveries and improvements and/or said patent applications and/or patents, and (5) generally do everything reasonably necessary, as required by said assignee, its successors, assigns or representatives, to aid in securing, maintaining and enforcing proper patent protection for said inventions, discoveries and improvements, and for vesting title to the same, as well as to patent

applications and patents covering said inventions, discoveries and improvements, in said assignee, its successors, assigns and legal representatives.

We do hereby covenant with said assignee, for ourselves and our heirs, legal representatives and assigns, that we and our heirs, legal representatives and assigns, (1) have not and will not execute any instrument or perform any act in conflict herewith, and (2) will at all times do such acts and execute such papers, without expense to us, as may be necessary or desirable (a) in order to fully protect said inventions, discoveries and improvements and said patent applications and patents pertaining thereto, for the benefit of said assignee, its successors and assigns, and (b) to give full force and effect to this assignment. We furthermore agree and affirm that we have the unrestricted right to make the conveyance set forth herein.

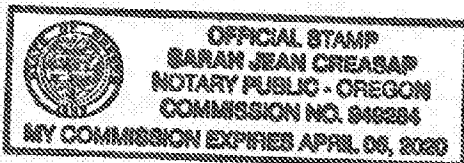
Executed this 7th day of December, 2016.

By: *David Lynn Harrison*
David Lynn Harrison

State of Oregon)
County of Lane)

Before me, a notary public in and for said county, appeared on this 7th day of December, 2016 **David Lynn Harrison**, who is personally known to me to be the person who is described in and who executed the above instrument, and he acknowledged that he executed the same of his own free will for the purposes set forth therein.

Sarah Jean Creasap
Notary Public
My commission expires: 4-10-2020



Executed this 7th day of December, 2016.

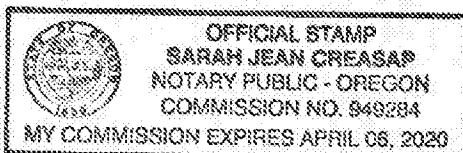
By: _____

Lawrence Robert Cumming

State of OREGON)

County of LANE)

Before me, a notary public in and for said county, appeared on this 7 day of December, 2016 **Lawrence Robert Cumming**, who is personally known to me to be the person who is described in and who executed the above instrument, and he acknowledged that he executed the same of his own free will for the purposes set forth therein.



Sarah Jean Creasap
Notary Public
My commission expires: 4-6-2020

Executed this 7 day of December, 2016.

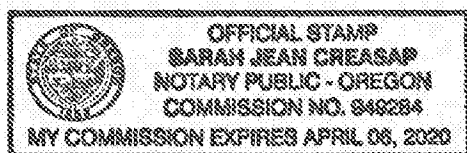
By: _____

Glenn Ford Bittrolf

State of Oregon)

County of lane)

Before me, a notary public in and for said county, appeared on this 7 day of December, 2016 **Glenn Ford Bittrolf**, who is personally known to me to be the person who is described in and who executed the above instrument, and he acknowledged that he executed the same of his own free will for the purposes set forth therein.



Sarah Jean Creasap
Notary Public
My commission expires: 4-6-2020