

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
John Moore	05/28/2008
RECEIVING PARTY DATA	
Name:	Colorado School of Mines
Street Address:	1500 Illinois Street
City:	Golden
State/Country:	COLORADO
Postal Code:	80401-1887
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12102725
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	4843-30
NAME OF SUBMITTER:	Matthew R. Ellsworth
Total Attachments: 1 source=Executed_Assignment#page1.tif	

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Worldwide Assignment

WHEREAS, I, John Moore of 31106 Tanoa Road, Evergreen, CO 80439, have made an invention entitled "A PIEZOELECTRIC SENSOR BASED SMART-DIE STRUCTURE FOR PREDICTING THE ONSET OF FAILURE DURING DIE CASTING OPERATIONS" for which I have filed an application for Letters Patent of the United States on April 14, 2008, under Application No. 12/102,725 and further identified as Attorney File No. 4843-30;

WHEREAS, Colorado School of Mines ("ASSIGNEE"), a corporation or other business entity duly registered in the State/Country of Colorado, whose postal address is 1500 Illinois Street, Golden, CO 80401-1887, desires to acquire the entire right, title, and interest in and to the invention, the application, and any Letters Patent to be granted for the invention in the United States and in all foreign countries;

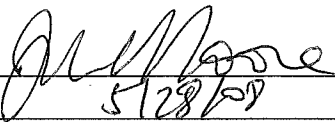
NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which I acknowledge, I, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent that may be granted thereon in the United States, Canada and in all foreign countries, and all reissues thereof, together with the right to claim priority under the International Convention in all member countries; and I authorize and request the Director of Patents and Trademarks to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I covenant and agree that I have the full right to convey the entire right, title, and interest herein assigned and that I have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND I further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number and filing Date into this Assignment, if none is indicated on that date of our execution of this agreement.

IN WITNESS WHEREOF, I have executed this Assignment on the date(s) indicated below.

Signature:   
Date: 5/28/09  
Full Name: John Moore  
Address: 31106 Tanoa Road  
Evergreen, CO 80439