

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ENERGETICS TECHNOLOGIES L.L.C.	11/12/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SMS CONCAST AG
<b>Street Address:</b>	TODISTRASSE 9
<b>City:</b>	ZURICH
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	CH-8027
<b>PROPERTY NUMBERS Total: 6</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7449143
Patent Number:	7675959
Patent Number:	7661456
Patent Number:	7316800
Patent Number:	7350559
Patent Number:	7381238
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	155.222
<b>NAME OF SUBMITTER:</b>	BRIAN ROFFE
<b>SIGNATURE:</b>	/Brian Roffe/
<b>DATE SIGNED:</b>	11/12/2014
<b>Total Attachments: 2</b>	
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PATENT



## ASSIGNMENT OF U.S. PATENTS

WHEREAS, Energetics Technologies, L.L.C., formerly of 7 Fieldview Lane, Califon, New Jersey 07830 and currently care of Matthew H. Kamens, Cozen O'Connor, 1900 Market Street, Philadelphia, Pennsylvania 19103 (hereinafter referred to as the "Assignor"), represents that it is the owner of six U.S. patents as follows (hereinafter referred to as "the six patents"):

1. U.S. Pat. No. 7,316,800 entitled "Electromagnetic helical pump for high-temperature transportation of molten metal";
2. U.S. Pat. No. 7,350,559 entitled "Systems and methods of electromagnetic influence on electroconducting continuum";
3. U.S. Pat. No. 7,381,238 entitled "System and method of electromagnetic influence on electroconducting continuum";
4. U.S. Pat. No. 7,449,143 entitled "Systems and methods of electromagnetic influence on electroconducting continuum";
5. U.S. Pat. No. 7,661,456 entitled "Method of axial porosity elimination and refinement of the crystalline structure of continuous ingots and castings"; and
6. U.S. Pat. No. 7,675,959 entitled "Systems and methods of electromagnetic influence on electroconducting continuum"; and

WHEREAS Assignor represents that judgment liens in favor of Sheila R. Dardik on assets of Irving Dardik, one of the inventors of the six patents, on U.S. Pat. No. 7,449,143 recorded by the U.S. Patent and Trademark Office at Reel 023330, Frame 0893, and U.S. Pat. Nos. 7,661,456 and 7,675,959 recorded by the U.S. Patent and Trademark Office at Reel 024864, Frame 0826, have been satisfied pursuant to a Settlement Agreement and Mutual Release entered between Sheila R. Dardik and Irving Dardik, among others, on April 14, 2014, rendering clear title to Assignor of these patents;

WHEREAS, SMS CONCAST AG of Tödistrasse 9, Zürich, Switzerland CH-8027 ("Assignee"), is desirous of obtaining the entire right, title and interest in, to and under the six patents and Assignor is willing to enter in such assignment;

NOW, THEREFORE, effective as of November 12, 2014, and in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor, has sold,

assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over unto the Assignee, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the six patents, and all reissues thereof, and all patents of the United States which may be granted on reissues thereof, including without limitation, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for such infringements, and all rights to sue for injunctive relief or other equitable relief; and

Assignor hereby authorizes and requests the Commissioner for Patents of the United States to issue any reissue patent of the six patents to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

Assignor hereby covenants and agrees that it has full right to convey the entire interest herein assigned, and that has not executed, and will not execute, any agreement in conflict herewith; and

IN TESTIMONY WHEREOF, I hereunto set my hand the day and year set forth below as an authorized representative of the Assignor.

Energetics Technologies, L.L.C.  
(Assignor)

By: [Signature]  
Name: Matthew H. Kamens  
Title: President

STATE OF  
COUNTY OF

On November 12, 2014, before me Emily Krohn, Notary Public, personally appeared Matthew Kamens personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Pennsylvania that the foregoing paragraph is true and correct.  
WITNESS my hand and official seal.

[Signature]  
Signature of Notary

