

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Anders Lehman	11/14/2008
Helmut Hackl	11/11/2008
Jan-Erik Eriksson	11/11/2008
Olof Sjoden	11/13/2008
RECEIVING PARTY DATA	
Name:	ABB AB
Street Address:	Kopparbergsvagen 2
City:	SE-72183 Vasteras
State/Country:	SWEDEN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12349335
CORRESPONDENCE DATA	
Fax Number: (203)327-1096	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone: (203) 324-6155	
Email: ccobb@ssjr.com	
Correspondent Name: Wesley W. Whitmyer, Jr.	
Address Line 1: 986 Bedford Street	
Address Line 2: St. Onge Steward Johnston & Reens LLC	
Address Line 4: Stamford, CONNECTICUT 06905	
ATTORNEY DOCKET NUMBER:	04191-P0024A
NAME OF SUBMITTER:	Wesley W. Whitmyer Jr.
Total Attachments: 5	
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**PATENT**  
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**Assignment**

**WHEREAS**, We, the undersigned inventors, have made certain inventions or discoveries (or both) as set forth in an application for Letters Patent of the United States of America, entitled **Method And Apparatus For Controlling The Flow Of Molten Steel In A Mould**, bearing Patent Application Serial No. 12/349,335 and filed on January 6, 2009;

**WHEREAS**, ABB AB, a company organized and existing under the laws of Sweden, and having an office and place of business at Kopparbergsvagen 2; SE-721 83 Vasteras, SWEDEN, and, together with its successors and assigns is hereinafter called "Assignee", and is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

**NOW THEREFORE**, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patents to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and par-

Page 2  
Assignment  
Applicant: Anders Lehman, et al.

04191-P0024A

particularly to execute and deliver to Assignee all lawful application documents, including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns, which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN WITNESS WHEREOF, we, Anders Lehman, Helmut Hackl, Jan-Erik Eriksson, and Olof Sjoden, have hereunto set our hands and affixed our seals.

Nov 14, 2008  
Date

Anders Lehman  
Skoldavagen 84  
S-187 73 Bromma, Sweden

Declaration of Witness

I declare that I was personally present and did see Anders Lehman, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

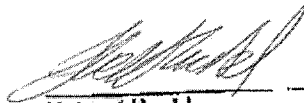
Declared at Tokyo, on Nov 14, 2008.

Shuki MAEDA  
Signature of Witness  
Name of Witness

Page 3  
Assignment  
Applicants: Anders Lehman, et al.

04191-P0024A

11/11 2008  
Date

  
Helmut Hackl  
V. Utanbygatan 20  
S-722 16 Vasteras, Sweden

Declaration of Witness

I declare that I was personally present and did see Helmut Hackl, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Viasteras, on 11/11 2008

  
Signature of Witness

Sonja Schnelzer  
Name of Witness

Page 4  
Assignment  
Applicants: Anders Lehman, et al.

2008-11-11


Date

  
Jan-Erik Eriksson  
Egilsvagen 60  
S-723 55 Vasteras, Sweden

Declaration of Witness

I declare that I was personally present and did see Jan-Erik Eriksson, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Vasteras, on 11/11 2008

  
Signature of Witness

Sonja Schnelzer  
Name of Witness

Page 5  
Assignment  
Applicants: Anders Lehman, et al.

04101-P0024A

2008-11-13

Date

Olof Sjoden

Olof Sjoden  
Perilljæstigen 7  
S-611 45 Nyköping, Sweden

Declaration of Witness

I declare that I was personally present and did see Olof Sjoden, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at ..

Viästerås

on ..

11/13 2008

Sonja Schrieler

Signature of Witness

Sonja Schrieler

Name of Witness