## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name             | Execution Date |
|------------------|----------------|
| Torsten Lamp     | 07/03/2008     |
| Herbert Koechner | 07/03/2008     |

### **RECEIVING PARTY DATA**

| Name:           | VDEh-Betriebsforschungsinstitut GmbH |  |
|-----------------|--------------------------------------|--|
| Street Address: | Sohnstrasse 65                       |  |
| City:           | Dusseldorf                           |  |
| State/Country:  | GERMANY                              |  |
| Postal Code:    | 40237                                |  |

### PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12158448 |

# CORRESPONDENCE DATA

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NAME OF SUBMITTER: Michael T. Griggs

Total Attachments: 2 source=00188089#page1.tif source=00188089#page2.tif

> PATENT REEL: 021580 FRAME: 0486

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Attorney Docket: 1944.001

#### ASSIGNMENT

ASSIGNMENT made by Torsten Lamp, of Suitbertusstrasse 31, 40219 Ducsseldorf, Germany, and Herbert Koechner, of Am Birkengraben 12, 50259 Pulheim, Germany, to VDEh-Betriebsforschungsinstitut GmbH, a corporation organized under the laws of Germany, and located and doing business at Sohnstrasse 65, 40237 Duesseldorf, Germany.

IN CONSIDERATION of One Dollar (\$1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged, said Torsten Lamp and Herbert Koechner hereby sell, assign and transfer to said VDEh-Betriebsforschungsinstitut GmbH, its successors and assigns, the entire right, title and interest in: Converter with a Container for Receiving Molten Metal and with a Measurement Device for the Optical Temperature Determination of the Molten Metal and Method for the Temperature Determination in Such a Converter, and the invention therein as set forth in their application for United States Letters Patent therefor, and in and to said application and any divisions or continuations thereof, and any Letters Patent obtained for the said invention in the United States and foreign countries, or issuing out of said application or any such division or continuation thereof, and any reissues or extensions of any such Letters Patent.

The Commissioner of Patents is hereby authorized and requested to issue Letters Patent for said invention to said **VDEh-Betriebsforschungsinstitut GmbH**, as assignee of the entire right, title and interest therein.

And, the said **Torsten Lamp and Herbert Koechner** hereby covenant that they have full right to convey the entire right, title and interest in said invention, and that they have not executed and will not execute any agreement in conflict herewith.

And they further covenant that they will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title in said VDEh-Betriebsforschungsinstitut GmbH, to said invention or any Letters Patent that may be granted therefor, and if said VDEh-Betriebsforschungsinstitut GmbH, or its assignce, desires to make a substitute, divisional or continuation application for said invention, or to secure a reissue or extension of said Letters Patent, to file a disclaimer relating thereto, or an application for a corresponding patent in any foreign country, that they will upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the said purposes, but at the expense of said VDEh-Betriebsforschungsinstitut GmbH.

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PATENT REEL: 021580 FRAME: 0487 Assignment

Assignor: Torsten Lamp and Herbert Koechner Assignce: VDEh-Betriebsforschungsinstitut GmbH

Converter with a Container for Receiving Molten Metal and with a Measurement Device for the Optical Temperature Determination of the Molten Metal and Method for the Temperature Determination in Such a

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Torsten Lamp and Herbert Koechner further hereby acknowledge that the entire beneficial interest in the invention to which the above application relates is irrevocably vested in the assignee including the right to make application for protection in all countries abroad and to claim priority under the International Convention for such applications and hereby assent to the making of any such applications, with or without priority claim, and of any divisional application resulting therefrom.

And, they further covenant that they will at all times communicate to the said VDEh-Betriebsforschungsinstitut GmbH, its successors, assigns or legal representatives, all facts relating to said invention and Letters Patent, or the history thereof, known to them, and testify as the same in interferences or other litigation, when requested so to do.

We hereby authorize the above-mentioned assignee or the attorney of record to insert in this instrument the filing date and serial number of our said application:

**Serial Number:** 12/158,448

Filing Date: June 20, 2008

Attorney Docket: 1944.001

IN WITNESS WHEREOF, each party hereto has caused this Agreement to be duly executed on his behalf.

Date: 03.07.2008

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RECORDED: 09/24/2008

PATENT REEL: 021580 FRAME: 0488