

<table>
<thead>
<tr>
<th>Name of conveying party(ies):</th>
<th>Name and address of receiving party(ies):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andreas Orth; Martin Hirsch; Peter Weber; Stuart Nye; Dirk Nuber; and Michael Stroder</td>
<td>Name: Outokumpu Technology Oy Address: Riihitontuntie 9, FIN-02200 Espoo, Finland</td>
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<th>Additional name(s) of conveying party(ies) attached?</th>
<th>Yes</th>
<th>No</th>
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<tr>
<th>Nature of conveyance:</th>
<th>Patent Application number(s)</th>
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<tbody>
<tr>
<td>Assignment</td>
<td>10/540,435</td>
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<th>Execution Date(s):</th>
<th>Total number of applications involved:</th>
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<tr>
<td>February 21, 2006; February 22, 2006; February 21, 2006; February 21, 2006; February 22, 2006</td>
<td>1</td>
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<tr>
<th>Name and address of party to whom correspondence concerning document should be mailed:</th>
<th>Total fee (37 C.F.R. 3.41):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: Morgan &amp; Finnegan, L.L.P. Address: 3 World Financial Center New York, NY 10281-2101</td>
<td>$40.00</td>
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<th>Charge in the amount of</th>
<th>Charge to Deposit Account No. 13-4500, Order No. 479 4009.</th>
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<td>is enclosed.</td>
<td>Charge any deficiencies to Deposit Account 13-4500, Order No. 479 4009. (A duplicate copy of this sheet is enclosed)</td>
</tr>
</tbody>
</table>

Name of Person Signing | Signature | Date: |
-----------------------|-----------|-------|
Katherine S. Brown | [Signature] | March 27, 2006 |

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recording Services Director of the U.S. Patent & Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

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PATENT REEL: 022644 FRAME: 0133
ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Andreas ORTH of Obere Römerhofstrasse 132, 61381 Friedichshofen, Germany;
Martin HIRCH of Am Vogelschutz 5, 61381 Friedrichsdorf, Germany;
Peter WEBER of Am Hang 3, 61476 Kronberg-Schönberg, Germany;
Stuart SNEYD of 8 B King Edward Street, South Perth 6100, Australia;
Dirk NUBER of Haingrabenstrasse 26, 60488 Frankfurt am Main, Germany; and
Michael STRÖDER of Dürerstrasse 77, 61267 Neu-Anspach, Germany

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

METHOD AND PLANT FOR THE HEAT TREATMENT OF SOLIDS CONTAINING IRON OXIDE USING A FLUIDIZED BED REACTOR

☐ for which application for Letters Patent of the United States has been executed on even date herewith,
☒ for which application for Letters Patent of the United States has been filed on June 22, 2003, under Serial No. 10/540,435, and

WHEREAS:

Outokumpu Technology Oy of Riihitontuntie 7, FIN-02200 Espoo, Finland

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for valuable consideration by ASSIGNEE to ASSIGNOR(S), the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute, reissue or
reexamination thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation, reissue and reexamination applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Signed:

(1) ____________________________ Date ___________________________
   Andreas ORTH

(2) ____________________________ Date ___________________________
   Martin HIRSCH

(3) ____________________________ Date ___________________________
   Peter WEBER
(4) Stuart SNEYD

(5) Dirk NUBER

(6) Michael STRÖDER

Date

Date 24. Dec. 2005

Date 23. Feb. 2006
ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Andreas ORTH of Obere Römerhofstrasse 132, 61381 Friedrichsorf, Germany;

Martin HIRSCH of Am Vogelschutz 5, 61381 Friedrichsorf, Germany;

Peter WIEBER of Kriens Zoostrasse 14, CH-6210 Kriens, Switzerland;

Stuart SNEYD of 8 B King Edward Street, South Perth 6160, Australia;

Dirk NÜBER of Haingrabenstrasse 26, 60438 Frankfurt am Main, Germany; and

Michael STRÖDER of Dürenerstrasse 77, 61267 Neu-Aschaff, Germany

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WHEREAS:

Outokumpu Technology Oy of Riihitonkatu 7, FIN-02200 Espoo, Finland

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for valuable consideration by ASSIGNEE to ASSIGNOR(S), the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute, reissue or
reexamination thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues or reexaminations of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all lawful papers and all divisional, continuation, reissue and reexamination applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Signed:

(1) Andreas ORTH

Date 21.02.06

(2) Martin HIRSCH

Date

(3) Peter WEBER

Date 21.07.06
Docket No. 4791-4009

(4) Stuart SNYDE

Date 2/3/2006

(5) Dirk NUBER

Date

(6) Michael STRÖDER

Date