

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Katsumi Nakayama</td> <td>04/27/2012</td> </tr> <tr> <td>Atsushi Hirata</td> <td>04/03/2012</td> </tr> <tr> <td>Hiroiyuki Otsuka</td> <td>04/27/2012</td> </tr> <tr> <td>Hirahiko Fukase</td> <td>04/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Katsumi Nakayama	04/27/2012	Atsushi Hirata	04/03/2012	Hiroiyuki Otsuka	04/27/2012	Hirahiko Fukase	04/28/2012
Name	Execution Date										
Katsumi Nakayama	04/27/2012										
Atsushi Hirata	04/03/2012										
Hiroiyuki Otsuka	04/27/2012										
Hirahiko Fukase	04/28/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Castrip, LLC</td> </tr> <tr> <td>Street Address:</td> <td>1915 Rexford Road</td> </tr> <tr> <td>City:</td> <td>Charlotte</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>28211</td> </tr> </table>		Name:	Castrip, LLC	Street Address:	1915 Rexford Road	City:	Charlotte	State/Country:	NORTH CAROLINA	Postal Code:	28211
Name:	Castrip, LLC										
Street Address:	1915 Rexford Road										
City:	Charlotte										
State/Country:	NORTH CAROLINA										
Postal Code:	28211										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13438260</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13438260						
Property Type	Number										
Application Number:	13438260										
CORRESPONDENCE DATA											
<p>Fax Number: (330)864-7986          Phone: (614)221-0240          Email: rlatta@hahnlaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Hahn Loeser &amp; Parks LP          Address Line 1: 65 East State Street          Address Line 2: Suite 1400          Address Line 4: Columbus, OHIO 43215</p>											
ATTORNEY DOCKET NUMBER:	201143.00240										
NAME OF SUBMITTER:	Robert T.S. Latta										

CH \$40.00 13438260

Total Attachments: 5

source=ExecutedAssignment#page1.tif

source=ExecutedAssignment#page2.tif

source=ExecutedAssignment#page3.tif

source=ExecutedAssignment#page4.tif

source=ExecutedAssignment#page5.tif

**PATENT**

**REEL: 028289 FRAME: 0796**

Practitioner's Docket No. 201143.00240

PATENT

For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Inventors

## ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

## ASSIGNORS:

Katsumi NAKAYAMA  
1-1, Toyosu 3-chome, Koto-Ku  
Tokyo, Japan  
Nationality: JP

Atsushi HIRATA  
1-1, Toyosu 3-chome, Koto-Ku  
Tokyo, Japan  
Nationality: JP

Hiroyuki OTSUKA  
1-1, Toyosu 3-chome, Koto-Ku  
Tokyo, Japan  
Nationality: JP

Hisahiko FUKASE  
1-9-31-4506 Shinonome, Koto-ku  
Tokyo, Japan  
Nationality: JP

hereby sell, assign and transfer to

## ASSIGNEE:

Castrip, LLC  
1915 Roxford Road  
Charlotte, NC 28211,  
US  
State of Formation: Delaware

4596843.1

Assignment of Invention--Multiple Inventors--page 1 of 2

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

**TWIN ROLL CASTER AND METHOD OF CONTROL THEREOF**

and which is found in (37 C.F.R. Section 3.21) U.S. Application No. 13/438,260 filed on April 3, 2012, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS further covenant that ASSIGNEE will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: Apr. 27, 2012

  
\_\_\_\_\_  
Signature of Katsumi NAKAYAMA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Atsushi HIRATA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Hiroyuki OTSUKA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Hisahiko FUKASE

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

**TWIN ROLL CASTER AND METHOD OF CONTROL THEREOF**

and which is found in (37 C.F.R. Section 3.21) U.S. Application No. 13/438,260 filed on April 3, 2012, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS further covenant that ASSIGNEE will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Kazumi NAKAYAMA

Date: 4/3/2012

Atsushi Hirata  
\_\_\_\_\_  
Signature of Atsushi HIRATA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Hiroyuki OTSUKA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Hisahiko FUKASE

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

**TWIN ROLL CASTER AND METHOD OF CONTROL THEREOF**

and which is found in (37 C.F.R. Section 3.21) U.S. Application No. 13/438,260 filed on April 3, 2012, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS further covenant that ASSIGNEE will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Katsumi NAKAYAMA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Atsushi HIRATA

Date: April 27, 2012

Hiroyuki Otsuka  
\_\_\_\_\_  
Signature of Hiroyuki OTSUKA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Hisahiko FUKASE

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

**TWIN ROLL CASTER AND METHOD OF CONTROL THEREOF**

and which is found in (37 C.F.R. Section 3.21) U.S. Application No. 13/438,260 filed on April 3, 2012, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS further covenant that ASSIGNEE will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Katsumi NAKAYAMA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Atsushi HIRATA

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Hiroyuki OTSUKA

Date: 2012.4.28

Hisahiko Fukase  
Signature of Hisahiko FUKASE