

## PATENT ASSIGNMENT

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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>Wilfried Weigel</td> <td>09/13/2011</td> </tr> <tr> <td>Gerhard Wulfing</td> <td>09/13/2011</td> </tr> <tr> <td>Peter Rahms</td> <td>09/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Wilfried Weigel	09/13/2011	Gerhard Wulfing	09/13/2011	Peter Rahms	09/13/2011		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Tiefenbach Control Systems GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Rombacher Hutte 18a</td> </tr> <tr> <td>City:</td> <td>Bochum</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>D-44795</td> </tr> </table>		Name:	Tiefenbach Control Systems GmbH	Street Address:	Rombacher Hutte 18a	City:	Bochum	State/Country:	GERMANY	Postal Code:	D-44795
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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>13420891</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13420891						
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Application Number:	13420891										
CORRESPONDENCE DATA											
Fax Number:	(704)444-1111										
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NAME OF SUBMITTER:	R. Flynt Streaun										
Total Attachments: 4 source=416761ASSIGNMENT#page1.tif source=416761ASSIGNMENT#page2.tif source=416761ASSIGNMENT#page3.tif source=416761ASSIGNMENT#page4.tif											

CH \$40.00 13420891

Attorney Docket No. 043048/403958

Client Ref. TBT2915US

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**Tiefenbach Control Systems GmbH  
Rombacher Hütte 18a  
D-44795 Bochum  
Germany**

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in "HYDRAULIC CIRCUIT FOR LONGWALL MINING"

as set forth in this United States Patent Application

- executed concurrently herewith  
 executed on \_\_\_\_\_  
 Application No. \_\_\_\_\_; filed \_\_\_\_\_  
 Application claims priority from International Application No. PCT/DE2010/000685, filed June 18, 2010, and German Application No. 10 2009 033 572.2, filed July 16, 2009, all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the Assignee and its attorney (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions,

specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

13.09.2011  
Date

X *Wilfried Weigel* ~~*see page 3*~~ *see page 3* →  
Wilfried Weigel

WITNESS:

X *Anne Dietze*

X Anne Dietze  
(Typed Name of Witness)

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13.09.2011  
Date


X *Gerhard Wülfing*  
Gerhard Wülfing

WITNESS:

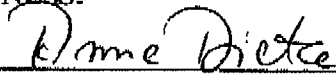
*Anne Dietze*  
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Peter Rahms

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