

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>Alex Freire de Andrade</td> <td>10/04/2007</td> </tr> <tr> <td>Charl Christo Veldman</td> <td>10/04/2007</td> </tr> <tr> <td>Arthur Kenneth Moeller</td> <td>10/04/2007</td> </tr> <tr> <td>Theuns Fichardt Skea</td> <td>10/04/2007</td> </tr> <tr> <td>Joaquim Antonio Soares de Sousa</td> <td>10/04/2007</td> </tr> </tbody> </table>		Name	Execution Date	Alex Freire de Andrade	10/04/2007	Charl Christo Veldman	10/04/2007	Arthur Kenneth Moeller	10/04/2007	Theuns Fichardt Skea	10/04/2007	Joaquim Antonio Soares de Sousa	10/04/2007
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RECEIVING PARTY DATA													
Name:	Joy MM Delaware, Inc.												
Street Address:	2751 Centerville Road												
Internal Address:	Suite 342												
City:	Wilmington												
State/Country:	DELAWARE												
Postal Code:	19808												
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>13670126</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13670126								
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CORRESPONDENCE DATA													
Fax Number:	4142770656												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	051077-9090-US02												

CH \$40.00 13670126

NAME OF SUBMITTER:

Gayle A. Bush

Total Attachments: 4

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ASSIGNMENT

ASSIGNMENT made by Alex Freire de Andrade of South Africa, Charl Christo Veldman of South Africa, Arthur Kenneth Möller of South Africa, Theuns Fichardt Skea of South Africa, Joaquim Antonio Soares de Sousa of South Africa; hereinafter Said Inventors to Joy MM Delaware, Inc., a corporation organized under the laws of the State of Delaware and located and doing business at 2751 Centerville Road, Wilmington, Delaware 19808.

IN CONSIDERATION of good and valuable considerations, the receipt of which is hereby acknowledged, Said Inventors do hereby sell, assign and transfer to Joy MM Delaware, Inc., its successors and assigns, the entire right, title and interest in MINING MACHINE WITH DRIVEN DISC CUTTERS and the invention therein as set forth in his application for United States Letters Patent therefore, executed on even date herewith, and in and to said application and any divisions or continuations thereof, and any Letters Patent obtained for 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 Joy MM Delaware, Inc., as assignee of the entire right, title and interest therein.

And, Said Inventors hereby covenant that they has 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 Joy MM Delaware, Inc., to said invention or any Letters Patent that may be granted therefore, and that if said Joy MM Delaware, Inc., or its assignee, 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 Joy MM Delaware, Inc.

Said Inventors 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 applications 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 there from.

And, they further covenants that they will at all times communicate to the said Joy MM Delaware, Inc., 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 to the same in interferences or other litigation when requested so to do.

The filing date and serial number of my said United States Patent Application are as follows:

Serial No.: 11849262

Filing date: 31-AUG-2007

Executed above and delivered this 4th day of OCTOBER 07,
by Alex Freire de Andrade

Alex Freire de Andrade

State of _____)

)ss.

County of _____)

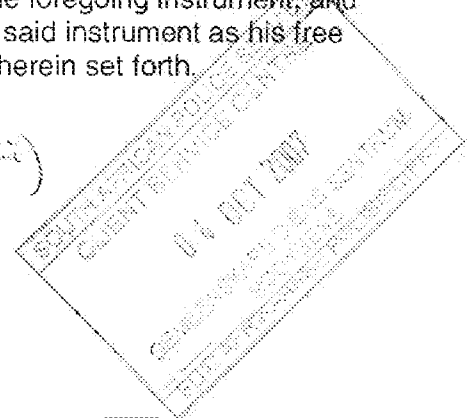
South Africa

Personally appeared before me this 4th day of OCTOBER 2007, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

Notary Public

My Commission Expires: 11/1/08

DR. BOLA F. SUREZ
151440
11/1/08

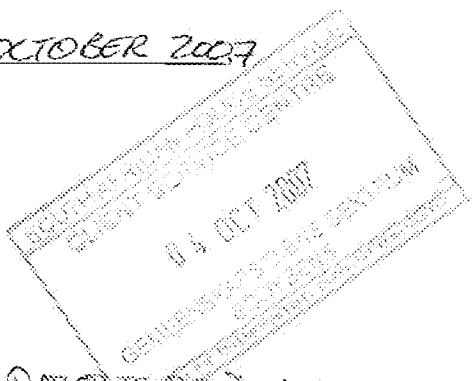


Executed above and delivered this 4th day of OCTOBER 2007
by Charl Christo Veldman

[Handwritten signature]

State of _____)
)ss.
County of _____)

South Africa



Personally appeared before me this 4th day of OCTOBER 2007, to me
known to be the person whose name is subscribed to the foregoing instrument, and
acknowledged that he signed, sealed and delivered the said instrument as his free
and voluntary act and deed for the uses and purposes therein set forth.

[Handwritten signature]
Notary Public
My Commission Expires: n/a

Executed above and delivered this 4TH day of OCTOBER 2007,
by Arthur Kenneth Möller

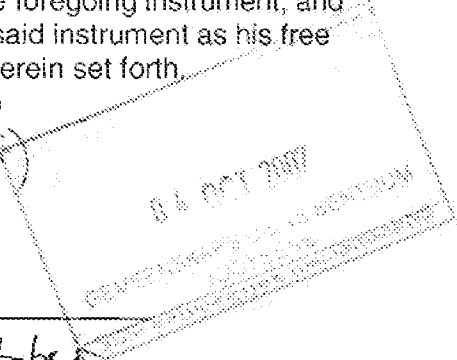
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[Handwritten signature]
Notary Public
My Commission Expires: n/a



Executed above and delivered this 4 day of October,
by Theuns Fichardt Skea

