

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Pieter Adriaan Botha</td> <td>03/27/2007</td> </tr> <tr> <td>Deon Bessinger</td> <td>06/22/2007</td> </tr> <tr> <td>Benjamin Alexander Dippenaar</td> <td>08/21/2007</td> </tr> </tbody> </table>		Name	Execution Date	Pieter Adriaan Botha	03/27/2007	Deon Bessinger	06/22/2007	Benjamin Alexander Dippenaar	08/21/2007
Name	Execution Date								
Pieter Adriaan Botha	03/27/2007								
Deon Bessinger	06/22/2007								
Benjamin Alexander Dippenaar	08/21/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	KUMBA RESOURCES LIMITED								
<b>Street Address:</b>	Iscor Head Office								
<b>Internal Address:</b>	Roger Dyson Road								
<b>City:</b>	Pretoria, Gauteng Province								
<b>State/Country:</b>	SOUTH AFRICA								
<b>Postal Code:</b>	0002								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11575548</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11575548				
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Application Number:	11575548								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(214)200-0853								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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<b>ATTORNEY DOCKET NUMBER:</b>	39145.2								
<b>NAME OF SUBMITTER:</b>	Randall C. Brown								
Total Attachments: 3									

**CH \$40.00 11575548**

**500786878**

**PATENT  
 REEL: 022289 FRAME: 0935**

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**ASSIGNMENT**

WHEREAS, We, Pieter Adriaan BOTHA, Deon BESSINGER, and Benjamin Alexander DIPPENAAR, have invented certain improvements in: "AGGLOMERATION OF TITANIA," for which we have executed an application for Letters Patent of the United States of America, of even date herewith; and

WHEREAS, KUMBA RESOURCES LIMITED, a South African Company, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said KUMBA RESOURCES LIMITED, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, to issue all Letters Patent for said invention to the said KUMBA RESOURCES LIMITED, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said KUMBA RESOURCES LIMITED, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said KUMBA RESOURCES LIMITED, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

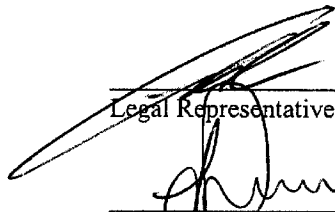
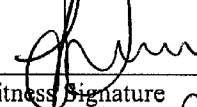
[SIGNATURE PAGES FOLLOW]

First Inventor Name: Pieter Adriaan BOTHA  
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Corner of Vander Walt and Pretorius Streets  
Pretoria, 0002  
South Africa

Dated: 27/3/07

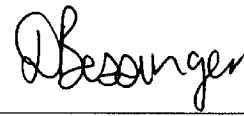
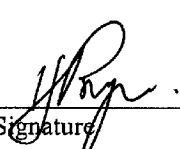
Dated: 27/3/07

  
\_\_\_\_\_  
Legal Representative Signature  
  
\_\_\_\_\_  
Witness Signature  
Edu Plessis  
\_\_\_\_\_  
Witness Name

Second Inventor Name: Deon BESSINGER  
Residence Address: 28 Woodlands Estate  
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South Africa

Dated: 22 June 2007

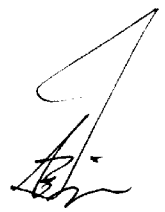
Dated: 22 June 2007

  
\_\_\_\_\_  
Inventor Signature  
  
\_\_\_\_\_  
Witness Signature  
HJ Burger  
\_\_\_\_\_  
Witness Name

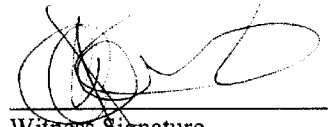
Third Inventor Name: Benjamin Alexander DIPPENAAR  
Residence Address: 528 Stephan Road  
Magalieskruin, 0150  
South Africa

Dated: 21 Aug 2007

Dated: 21 Augustus 2007



\_\_\_\_\_  
Inventor Signature



\_\_\_\_\_  
Witness Signature

J.C. BREUGDENBURG  
Witness Name