503560051 11/09/2015

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3606678

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YEONUK CHOI	11/05/2015
AHMAD GHAHREMANINEZHAD	11/07/2015

RECEIVING PARTY DATA

Name:	BARRICK GOLD CORPORATION	
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Internal Address:	SUITE 3700, 161 BAY STREET	
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State/Country:	CANADA	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14287889

CORRESPONDENCE DATA

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SHERIDAN ROSS P.C. **Correspondent Name:** 1560 BROADWAY Address Line 1:

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ATTORNEY DOCKET NUMBER: 5508-88 DWS NAME OF SUBMITTER: DOUGLAS W. SWARTZ **SIGNATURE:** /Douglas W. Swartz/ **DATE SIGNED:** 11/09/2015

Total Attachments: 1

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PATENT REEL: 036989 FRAME: 0471 503560051

Atty. Docket No.: 5508-88

Worldwide Assignment

WHEREAS, I/We Yeonuk Choi and Ahmad Ghahremaninezhad, have made an invention entitled "METHOD FOR PRE-TREATMENT OF GOLD-BEARING OXIDE ORES" for which I/We have filed an application for Letters Patent of the United States on May 27, 2014, under Application No. 14/287,889 and

WHEREAS, Barrick Gold Corporation ("ASSIGNEE"), a corporation or other business entity duly registered in the State/Country of <u>Canada</u>, whose postal address is <u>BCE Place</u>, <u>Canada Trust Tower</u>, <u>Suite 3700</u>, 161 Bay Street, <u>Toronto</u>, <u>CANADA M5J 2S1</u>, desires to acquire the entire right, title, and interest in and to the invention, the application, and any Letters Patent to be granted for the invention in the United States and in all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to me/us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent that may be granted thereon in the United States, Canada and in all foreign countries, and all reissues thereof, together with the right to claim priority under the International Convention in all member countries; and I/We authorize and request the Director of Patents and Trademarks to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND I/We further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number and filing Date into this Assignment, if none is indicated on that date of my/our execution of this agreement.

IN	WITNESS WHEREOF, I/We have	executed this Assignment on the date(s) indicated
below.	2.4	
Signature:_	_ Chf	_ Signature:
Date:	NOV5, 2015	Date:
Full Name:	Yeonuk Chol	Full Name: Ahmad Ghahremaninezhad
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