## 504646170 11/16/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARK GROGAN	02/27/2015
BRIAN DOUD	02/27/2015
ANDREW SHERMAN	02/27/2015

### **RECEIVING PARTY DATA**

Name:	POWDERMET, INC.	
Street Address:	24112 ROCKWELL DRIVE	
City:	EUCLID	
State/Country:	ОНЮ	
Postal Code:	44117	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15814936

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	POWD 200035US02
NAME OF SUBMITTER:	BRIAN E. TURUNG
SIGNATURE:	/bet/
DATE SIGNED:	11/16/2017

### **Total Attachments: 3**

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PATENT 504646170 REEL: 044152 FRAME: 0887

Attorney Docket No.: POWD 200035USP1

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, the undersigned, **Mark Grogan, Brian Doud, and Andrew Sherman** ("Inventor(s)") who has/have created a certain invention for which a U.S. Provisional Patent Application has been

and is entitled

Heterogeneous Composite Bodies with Isolated Cermet Regions Formed by High Temperature, Rapid Consolidation

hereby sell, assign and transfer to Powdermet, Inc., ("Assignee"), a corporation of the State of Delaware, having a place of business at 24112 Rockwell Drive, Euclid, Ohio 44117, its successors, assigns, nominees or other legal representatives, the full, exclusive, entire worldwide rights, title and interest in, to, and under said invention as described and claimed in said application, including any provisional application(s) from which it claims priority, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, nominees, or other legal representatives, to the end of the term or terms for which said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by Inventor(s) if this assignment and sale had not been made; all of the entire rights, title and interest in and to said invention and said application, and all original and reissued patents granted for said invention, and all divisions, reissues, continuations-in-part, and continuations of said application, including the subject matter of any and all claims which may be obtained in every patent, and the right, where such right can be legally exercised, in Assignee's own name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention and the Patent Cooperation Treaty as fully and entirely as Inventor(s) could have done if the foreign application had been filed in the names of the Inventor(s), and the entire interest in any Letters Patent which may be granted on any such application in such foreign countries, and Inventor(s) authorize(s) and request(s) the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue the said Letters Patent to Assignee, its successors, assigns, nominees, or other legal representatives, as Assignee and owner of the said entire rights, and Inventor(s) covenant(s) that Inventor(s) has/have the full right to convey the said entire interest herein assigned and that Inventor(s) has/have not executed and will not execute anv agreement in conflict herewith, and Inventor(s) will communicate to Assignee, its successors, assigns, nominees, or other legal representatives all facts known to Inventor(s) respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing, and reissue applications, make all rightful oaths or declarations, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the

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procuring thereof, and that if and when Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, Inventor(s) will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and

Inventor(s) further covenant(s) and agree(s) that Inventor(s) will, at any time upon request, do everything possible to aid Assignee, its successors, assigns, nominees, or other legal representatives, either in the name of Inventor(s) or Assignee, to apply for, obtain, and enforce proper patent protection for said invention in all countries, according to the International Convention and the Patent Cooperation Treaty, and all the laws and treaties in force, all without further consideration but at the expense of Assignee, its successors, assigns, nominees, or other legal representatives.

Signed at the City of	State of Dhio
on this 27 day of Filman	<del>2014</del> . 2015
	Which D
	Mark Grogan
State of	)
County of	)ss:
	3015

On this <u>37</u> day of <u>Febuary</u>, <del>2014</del> before me personally came Mark Grogan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Seal

Notary Public

Signed at the City of Euclich		State of_	0410
Signed at the City of <u>Euclid</u> on this <u>27</u> day of <u>Feb</u>		, 20145	
	h	11	
	Brian Doud	<u> </u>	
	Dilaii Dodd		
State of	)		
	)ss:		
County of	)		
On this 27 day of File personally came Brian Doud, to me ki	nowp to be the	individua	2015 2014 before me I described in and who
	acknowledged	execution	TOT THE Same.
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executed the folestimation, and LOUIS A Maria Constitution of the Public A Maria Const	Notary Public	nd 7	Tutage
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Signed at the City of <u>Fuelicl</u> on this <u>27</u> day of <u>Feb</u>		State of	04,0
	1/8/		
	Andrew Sher	man	
State of	)		
County of	)ss: )		
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On this 27 day of Feli	nang		2014 before me
personally came Andrew Sherman, to who executed the foregoing instrument	me known to	de me mu edged exe	cution of the same.
Who executed the foregoing insulancing	, and domnous	agou ono	
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	Jones	UN	Teligren
who executed the foregoing instrument LOUIS LOUIS AND LO	Notary Public		
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THINKS JUNE 12 THINK			

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**RECORDED: 11/16/2017** 

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