

Form PTO-1595  
1-31-92

05-24-2000

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101365243

10511 U.S. PTO  
09/570289  
05/15/00To the Honorable Commissioner of Patents and Trademarks:  
Please record the attached original documents or copy thereof.

## 1. Name of the conveying party (ies)

NAME OF INVENTOR(S)

Amit Goyal and Robert K. Williams

Additional name(s) of conveying

party (ies) attached? — Yes ☒ No

## 3. Nature of conveyance

☒ Assignment

— Merger

☐ Security Agreement

— Change of Name

☐ OtherExecution Date: May 15, 2000

## 2. Name and address of receiving party (ies)

Name: UT-BATTELLE, LLC.Internal Address: Post Office Box 2008Oak Ridge, Tennessee 37831-8243Street Address: 111-B Union Valley RoadCity: Oak Ridge, Tennessee 37831-6498

Additional name(s) &amp; address (es) attached

— Yes ☒ No

## 4. Application number (s) or patent number (s)

If this document is being filed together with a new application, the execution date  
of the application is: May 15, 2000

A. Patent Application No.(s)

Docket No. 0316-1

B. Patent No. (s)

09/570289

Additional numbers attached? — Yes ☒ No5. Name and address of party to whom  
corresponding concerning document  
should be mailed:

J. Kenneth Davis, Agent for Applicant

P O Box 2008

Oak Ridge, Tennessee 37831-64986. Total number of applications  
and patents involved:

## 7. Total fee (37 CFR 3.41)

\$ 40.00☐ Enclosed☐ Authorized to be charged to  
deposit account8. Deposit Account number: 13-1958  
(Attach duplicate copy of this page  
if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing instrument is true and correct and any attached copy is a true copy of the  
original document.J. Kenneth Davis

Name of Person Signing

Signature

May 15, 2000

Date

Total number of pages including cover sheet, attachment and document:

2

PATENT

REEL: 010801 FRAME: 0638

05/22/2000 LWSHINE 00000060 131958 09570289  
04 FC:581 UT-Battelle, LLC 40.00 CH

ASSIGNMENT

WHEREAS, I, the below-named inventor whose residence and post office is as stated below, have invented certain new and useful improvements in

**BIAXIALLY TEXTURED ARTICLES FORMED BY POWDER METALLURGY**

for which an application for United States Letters Patent was executed by me on even date herewith, and

Whereas, UT BATTELLE, LLC, having an office at 111-B Union Valley Rd., P.O. Box 2008, Oak Ridge, Tennessee 37831-6498, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

Now, therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE the entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries.

I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my heirs, legal representatives, and assigns.

Full name of first inventor: Amit Goyal

Inventor's Signature: [Signature] Date: 5/15/00

Residence: 300 Walker Springs Road #19E, Knoxville, Tennessee 37923

Post Office Address: 300 Walker Springs Road #19E, Knoxville, Tennessee 37922

Citizenship: India

State of Tennessee

County of Anderson

On this 15 day of May, 2000, before me, a Notary Public in and for the County and State aforesaid, Amit Goyal appeared before me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

[Signature]  
J. Kenneth Davis, Notary Public  
My commission expires 11-18-2000.

SEAL

Full name of second inventor: Robert K. Williams

Inventor's Signature: Robert K. Williams Date: 5/15/00

Residence: 9304 Oakshire Cr., Knoxville, Tennessee 37922

Post Office Address: 9304 Oakshire Cr., Knoxville, Tennessee 37922

Citizenship: USA

State of Tennessee

County of Anderson

On this 15 day of May 2000, before me, a Notary Public in and for the County and State aforesaid, Robert K. Williams appeared before me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

[Signature]  
J. Kenneth Davis, Notary Public  
My commission expires 11-18-2000.

SEAL