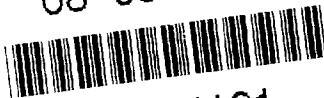


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To the Honorable Commissioner of Patent

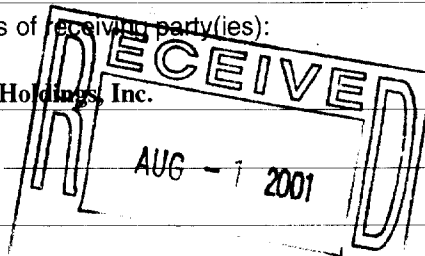
1. Name of conveying party(ies):
Millennium Materials, Inc.

8-121

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

Name: **Dyson US Holdings, Inc.**

Internal Address:



Street Address: **1105 North Market Street, Suite 1300**

City: **Wilmington** State: **DE** ZIP: **19801**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: **July 24, 2001**

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

5,573,607	5,587,241
5,573,985	5,712,014
5,948,495	5,895,696

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Christine L. Wettach**

Internal Address: **Cohen & Grigsby, P.C.**

Street Address: **11 Stanwix Street, 15th Floor**

City: **Pittsburgh** State: **PA** ZIP: **15222**

6. Total number of applications and patents involved: **6**

7. Total fee (37 CFR 3.41):.....\$ **240.00**

- ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number:

03-2026

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240.00 DP

9. Statement and signature.

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

Christine L. Wettach

August 1, 2001

Name of Person Signing

Signature

Date

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

10

PATENT

REEL: 012036 FRAME: 0596

ASSIGNMENT OF PATENTS

This Assignment of Patents is made as of July 24, 2001, between MILLENNIUM MATERIALS, INC., a Tennessee corporation having a principal place of business at 642 Barbrow Lane, Knoxville, Tennessee 37932 ("Assignor"), and DYSON US HOLDINGS, INC., a Delaware corporation having a principal place of business at 1105 North Market Street, Suite 1300, Wilmington, Delaware 19801 ("Assignee").

ASSIGNMENT

WHEREAS, MILLENNIUM MATERIALS, INC., a Tennessee corporation
642 Barbrow Lane
Knoxville, Tennessee 37932
United States of America

hereinafter referred to as ("Assignor"), is the owner of all rights, title and interest in and to the Inventions described in the Letters Patents and Applications for Letters Patents and the Letters Patents and Applications for Letters Patents identified on Attachment A hereto (collectively the "Patent Rights"), and incorporated by reference as if fully set forth herein; and

WHEREAS, DYSON US HOLDINGS, INC., a Delaware corporation
1105 North Market Street, Suite 1300
Wilmington, Delaware 19801
United States of America

hereinafter referred to as ("Assignee"), is desirous of acquiring the full and entire right, title and interest of Assignor in and to said Patent Rights or other legal protection obtainable therefor in the United States, and in any other country in which legal protection may be sought and enforced for said Inventions.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of the mutual promises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and each party hereto intending to be legally bound hereby, the parties agree as follows:

Assignor hereby sells, assigns and transfers its full and entire right, title and interest in and to the above-identified Patent Rights throughout the world to Assignee, including all rights in any patent application(s) for letters patent and/or letters patent and/or other legal protection based thereon heretofore or hereinafter existing in this or any other country, including all divisions, continuations, continuations-in-part, reissues, substitutes, renewals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for the benefit of its successors and assigns, to the full end of the terms for which the same may be granted in this or any other country, as fully and entirely as the same would have been held by Assignor had this Assignment not been made.

Assignor hereby warrants and covenants to have the full and exclusive power to convey the rights set forth herein and has not and will not enter into any agreement in conflict herewith; and further covenants that it will ensure Assignee or its successors and assigns are provided with any facts, evidence, documents and/or testimony regarding the aforesaid rights in any legal proceeding; and further covenants that it will cause the proper execution of all documents, the making of all oaths, the taking of all testimony, and the completion of every other action necessary to enable and authorize Assignee, or its successors and assigns, to obtain, maintain and enforce all legal protection obtainable therefor in this or any other country.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office, or the Commissioner of any other country as appropriate, to assign said Patent Rights to Assignee.

IN WITNESS WHEREOF, the parties hereto have caused their duly authorized
representatives to execute this Assignment as of the day and year first written above.

MILLENNIUM MATERIALS, INC.

By: Samuel C. Weaver
Printed Name: Samuel C. Weaver
Title: PRESIDENT

DYSON US HOLDINGS, INC.

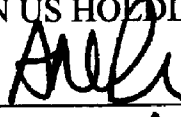
By: _____
Printed Name: _____
Title: _____

IN WITNESS WHEREOF, the parties hereto have caused their duly authorized
representatives to execute this Assignment as of the day and year first written above.

MILLENNIUM MATERIALS, INC.

By: _____
Printed Name: _____
Title: _____

DYSON US HOLDINGS, INC.


By:  _____
Printed Name: A.W. PARKER
Title: VICE PRESIDENT

IN WITNESS WHEREOF, the parties hereto have caused their duly authorized
representatives to execute this Assignment as of the day and year first written above.

MILLENNIUM MATERIALS, INC.

By: _____
Printed Name: _____
Title: _____

DYSON US HOLDINGS, INC.

By:  _____
Printed Name: A. N. PARKEN
Title: VICE PRESIDENT

ATTACHMENT A**U.S. PATENTS**

U.S. PATENT NO.	DATE OF ISSUE	TITLE OF INVENTION
5,573,607	November 12, 1996	METAL MATRIX COMPOSITES OF ALUMINUM, MAGNESIUM, AND TITANIUM USING SILICON BORIDES
5,573,985	November 12, 1996	CERAMIC MATRIX COMPOSITES USING STRENGTHENING AGENTS OF SILICON BORIDES OF THE FORM Si-B-C
5,587,241	December 24, 1996	MINERAL FIBERS AND WHISKERS EXHIBITING REDUCED MAMMALIAN CELL TOXICITY, AND METHOD FOR THEIR PREPARATION
5,712,014	January 27, 1998	METAL MATRIX COMPOSITIONS FOR SUBSTRATES USED TO MAKE MAGNETIC DISKS FOR HARD DISK DRIVES
5,895,696	April 20, 1999	METAL-CLAD CERAMIC-METAL MATRIX COMPOSITES FOR MAGNETIC DISK SUBSTRATES FOR HARD DISK DRIVES
5,948,495	September 7, 1999	CERAMIC-METAL MATRIX COMPOSITES FOR MAGNETIC DISK SUBSTRATES FOR HARD DISK DRIVES

U.S. PATENT APPLICATIONS

U.S. PATENT APPLICATION SERIAL NUMBER	DATE OF FILING	TITLE OF INVENTION
09/838,866, [Atty Docket No. 5564]	April 20, 2001	METAL MATRIX COMPOSITE HORSESHOE
09/167,235	October 6, 1998	METAL-CLAD METAL MATRIX COMPOSITE MAGNETIC DISK
09/187,886	November 6, 1998	METAL-CLAD METAL MATRIX COMPOSITES FOR DISK SUBSTRATES FOR MAGNETIC HARD DRIVE
09/295,810	April 20, 1999	METAL-CLAD CERAMIC-METAL MATRIX COMPOSITES FOR MAGNETIC DISK SUBSTRATES FOR HARD DISK DRIVES