

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8358265

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PACIFIC NANO PRODUCTS, INC.	10/16/2023
RECEIVING PARTY DATA		
Name:	WESTCOTT MATERIALS, LLC	
Street Address:	P.O. BOX 3309	
City:	RENTON	
State/Country:	WASHINGTON	
Postal Code:	98056	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	9637864
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	WM3-3859-U1	
NAME OF SUBMITTER:	VALERIE MCMANUS	
SIGNATURE:	/VALERIE MCMANUS/	
DATE SIGNED:	01/02/2024	
Total Attachments: 5		
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For: ☐ U.S. and/or ☐ Foreign Rights
For: ☐ U.S. Application or
☐ U.S. Provisional Application
For: ☒ U.S. PATENT
For: ☐ PCT Application
By: ☐ Inventor(s) or ☒ Present Owner

ASSIGNMENT OF PATENT

THIS ASSIGNMENT OF PATENT is made effective as of the 26th day of June, 2023.

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of TEN US (US \$10.00) DOLLARS, and for other good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNOR:

Inventor(s) or person(s) or
entit(ies) who own the patent

PACIFIC NANO PRODUCTS, INC.
ASSIGNOR

1100 S.W. 27TH Street
RENTON, Washington
98057
ADDRESS

*A corporation organized under the laws of
the State of Washington*

HEREBY ASSIGNS AND TRANSFERS TO

ASSIGNEE:

WESTCOTT MATERIALS, LLC
ASSIGNEE

P.O. BOX 3309
Renton, Washington
98056
ADDRESS

*A limited liability company organized under
the laws of the State of Delaware*

and the successors, assigns and legal representatives of the ASSIGNEE,

- ☒ the entire right, title and interest
- ☒ and in all foreign countries, including all rights to claim priority,

in U.S. Patent No.: 9,637,864 B2 issued May 2, 2017, (the face page of which is attached hereto as Exhibit 1), and in and to any and all improvements which are disclosed therein, for the invention entitled:

**FIBROUS STRUCTURED AMORPHOUS SILICA INCLUDING PRECIPITATED
CALCIUM CARBONATE, COMPOSITIONS OF MATTER MADE THEREWITH,
AND METHODS OF USE THEREOF**

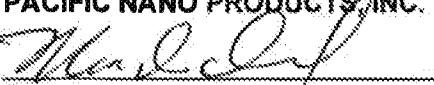
Name of Inventor: VIJAY K. MATHUR

(1) ASSIGNOR hereby warrants, represents, and covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

(2) This Assignment includes all of the ASSIGNOR'S right to all income, royalties, damages, and payments now or hereafter due and payable, and in and to all causes of action, either in law or in equity, and the right to sue, counterclaim and recover for past, present, and future infringement of the rights assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR if this sale and assignment had not been made.

(3) ASSIGNOR further covenants that ASSIGNOR will, upon ASSIGNEE'S request, promptly provide all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR, and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all proper papers, instruments, or affidavits required (1) to maintain and enforce said Letters Patent, (2) to apply for, obtain, issue, and maintain any continuation, division, renewal, reissue, re-examination, or substitute thereof, and (3) maintain and enforce any Letters Patent on any reissue or re-examination thereof, or which may otherwise be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date shown below.

Date: <u>Oct. 16th</u> , 2023	PACIFIC NANO PRODUCTS, INC.  Signature
Place: <u>Redmond, WA</u>	Print Name: Marc D. Durand ITS: VP Business Development

☒ Notarization or Legalization Page added.



US009637864B2

(12) **United States Patent**
Mathur

(10) **Patent No.:** **US 9,637,864 B2**
(45) **Date of Patent:** **May 2, 2017**

(54) **FIBROUS STRUCTURED AMORPHOUS SILICA INCLUDING PRECIPITATED CALCIUM CARBONATE, COMPOSITIONS OF MATTER MADE THEREWITH, AND METHODS OF USE THEREOF**

(2013.01); *C01P 2004/80* (2013.01); *C01P 2006/12* (2013.01); *Y10T 428/252* (2015.01)

(58) **Field of Classification Search**

None

See application file for complete search history.

(71) Applicant: **PACIFIC NANO PRODUCTS, INC.**,
Renton, WA (US)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,660,021 A 5/1972 Olmsted et al.

4,167,423 A 9/1979 Williams

(Continued)

(72) Inventor: **Vijay K. Mathur**, Federal Way, WA
(US)

(73) Assignee: **PACIFIC NANO PRODUCTS, INC.**,
Renton, WA (US)

FOREIGN PATENT DOCUMENTS

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

CN 101970543 A 2/2011

CN 101970543 A 2/2011

(Continued)

(21) Appl. No.: 14/262,741

OTHER PUBLICATIONS

(22) Filed: **Apr. 26, 2014**

Wang, et al, Preparation of Uniform Needle-Like Aragonite Particles by Homogeneous Precipitation. *Journal of Colloid and Interface Science* 218, 545-553 (1999) Abstract (9 pages).

(Continued)

(65) **Prior Publication Data**

US 2014/0318418 A1 Oct. 30, 2014

Related U.S. Application Data

(60) Provisional application No. 61/816,649, filed on Apr. 26, 2013.

Primary Examiner — Kaj K Olsen

Assistant Examiner — Ross J Christie

(74) *Attorney, Agent, or Firm* — R. Reams Goodloe, Jr.

(51) **Int. Cl.**
C09C 1/02 (2006.01)
D21H 19/58 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC **D21H 19/58** (2013.01); **C09C 1/0093**
(2013.01); **D21H 19/12** (2013.01); **C01P**
2002/72 (2013.01); **C01P 2004/03** (2013.01);
C01P 2004/45 (2013.01); **C01P 2004/61**

(57) **ABSTRACT**

A nano-composite structure. A synthetic nano-composite is described having a first component including a fibrous structured amorphous silica structure, and a second component including a precipitated calcium carbonate structure developed by pressure carbonation. The nano-composite may be useful for fillers in paints and coatings. Also, the nano-composite may be useful in coatings used in the manufacture of paper products.

33 Claims, 60 Drawing Sheets

SEM of Nano-Composite (SAS & FCA)

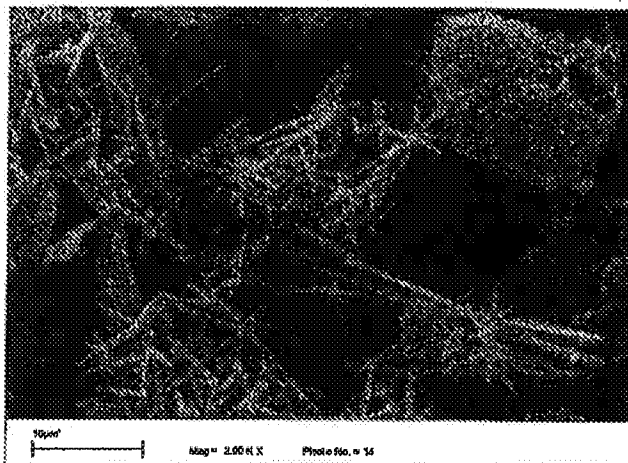


EXHIBIT 1

PATENT

REEL: 065995 FRAME: 0602


INSTRUMENT: ASSIGNMENT OF U.S. PATENT NO. 9637864 B2
ISSUE DATE: MAY 2, 2017

STATE OF WASHINGTON)
) ss.
COUNTY OF KING)

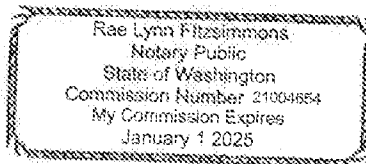
I certify that I know or have satisfactory evidence that **Marc D. Durand** is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument and acknowledged it as the VP Business Development of **PACIFIC NANO PRODUCTS, INC.** to be the free and voluntary act of such party, for the uses and purposes mentioned in the instrument.

Dated: 10/16/23

(Seal or Stamp)


Notary Signature

Rae Lynn Fitzsimmons
Print Name



Notary Public in and for the State of Washington,
residing at Benton, WA

My appointment expires 11/1/25

ACKNOWLEDGED AND ACCEPTED:

WESTCOTT MATERIALS, LLC

a limited liability company

(under the laws of the State of Delaware)

Signature

By: John Knudsen

Its: Managing Director

Date: Nov 22, 2023

STATE OF Missouri)

COUNTY OF St Louis)

ss.

I certify that I know or have satisfactory evidence that John Knudsen is the person who appeared before me, and said person acknowledged that he signed this instrument, on oath stated that he was authorized to execute the instrument and acknowledged it as the Managing Director of WESTCOTT MATERIALS, LLC, to be the free and voluntary act of such party, for the uses and purposes mentioned in the instrument.

Dated: Nov 22, 2023

(Seal or Stamp)

Ian T Wood

Notary Signature

Ian T Wood

Print Name

IAN T WOOD

Notary Public - Notary Seal

State of Missouri

Commissioned for St Louis County

My Commission Expires: July 4, 2026

18084359

Notary Public in and for the State of MO
residing at 1635 Lindbergh Blvd, St Louis MO 63113

My appointment expires 07/04/2026