

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3632276

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
G.R. TECHNOLOGIES, LLC	10/08/2015
RECEIVING PARTY DATA	
Name:	PACIFIC NANO PRODUCTS, INC.
Street Address:	1100 S.W. 27TH STREET
City:	RENTON
State/Country:	WASHINGTON
Postal Code:	98057
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6251356
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	PN0-2753-U
NAME OF SUBMITTER:	VALERIE MCMANUS
SIGNATURE:	/VALERIE MCMANUS/
DATE SIGNED:	11/25/2015
Total Attachments: 7	
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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 in confirmation of the purchase and sale of Acquired Assets, including Intellectual Property rights, as set out in that certain Technology Acquisition Agreement between G.R. Technologies, LLC, Pacific Nano Products, Inc., and Vijay Mathur, made and effective as of the 16th day of March, 2015, and this Assignment is made pursuant thereto.

IN CONSIDERATION of the payment by ASSIGNEE to ASSIGNOR of the sum of TEN U.S. (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 invention

G.R. TECHNOLOGIES, LLC
type or print name of ASSIGNOR

32918 Sixth Avenue, S.W.
Address
FEDERAL WAY, Washington, 98023

a Limited Liability Company
organized under the laws of the
State of Washington

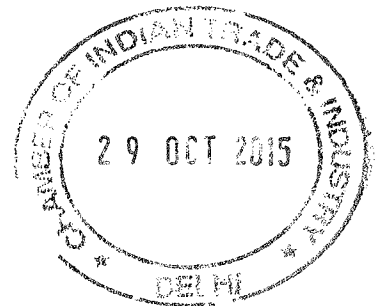
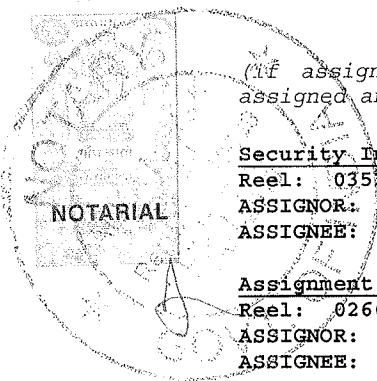
(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO, add the following):

Security Interest: Recorded on 03/19/2015
Reel: 035210 / Frame: 0946
ASSIGNOR: PACIFIC NANO PRODUCTS, INC.
ASSIGNEE: G.R. TECHNOLOGIES, LLC

Assignment: Recorded on 08/01/2011
Reel: 026690 / Frame: 0824
ASSIGNOR: VIJAY K. MATHUR
ASSIGNEE: G.R. TECHNOLOGIES, LLC

Assignment: Recorded on 03/22/2006
Reel: 017366 / Frame: 0021
ASSIGNOR: G.R. INTERNATIONAL, INC.
ASSIGNEE: VIJAY K. MATHUR

Assignment: Recorded on 02/06/2001
Reel: 011510 / Frame: 0677
ASSIGNOR: VIJAY K. MATHUR
ASSIGNEE: G.R. INTERNATIONAL, INC.




HEREBY CONFIRMS THE SALE, ASSIGNMENT, AND TRANSFER TO

ASSIGNEE:

PACIFIC NANO PRODUCTS, INC.
type or print name of ASSIGNEE

1100 S.W. 27TH STREET
RENTON, Washington
98057
Address
A corporation organized under the
laws of the State of Washington

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

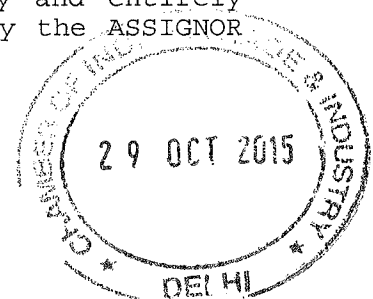
 the entire right, title and interest,
and in all foreign countries, including all rights to
claim priority,

in U.S. Patent No.: 6,251,356 B1 issued June 26, 2001, (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:

HIGH SPEED MANUFACTURING PROCESS FOR PRECIPITATED CALCIUM CARBONATE EMPLOYING SEQUENTIAL PRESSURE CARBONATION

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. The ASSIGNOR hereby further covenants and agrees that it will, at any time, upon the request of the ASSIGNEE, execute and deliver to the ASSIGNEE any new or confirmatory instruments and to perform at the ASSIGNEE'S request any other acts which the ASSIGNEE may reasonably request in order to fully assign and transfer to and vest in the ASSIGNEE, all of the ASSIGNOR'S right, title and interest therein.
3. 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.



4. 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, opposition, post grant review, inter partes review, reexamination, supplemental examination, or other 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.

<p>Date: <u>08/10/2015</u></p> <p>Place: <u>DELHI</u></p>	<p>G.R. TECHNOLOGIES, LLC</p> <p><u>Vijay K. Mathur</u></p> <p>VIJAY K. MATHUR</p> <p>ITS: <u>MANAGER</u></p>
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Notarization or Legalization Page added.

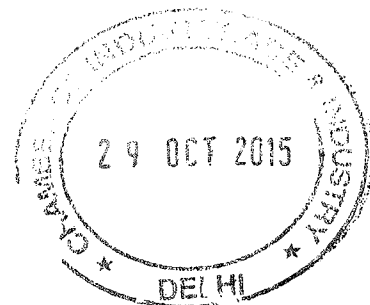


EXHIBIT 1



US006251356B1

(12) **United States Patent**
Mathur

(10) **Patent No.:** US 6,251,356 B1
(45) **Date of Patent:** Jun. 26, 2001

- (54) **HIGH SPEED MANUFACTURING PROCESS FOR PRECIPITATED CALCIUM CARBONATE EMPLOYING SEQUENTIAL PRESSURE CARBONATION**
- (75) **Inventor:** Vijay K. Mathur, Federal Way, WA (US)
- (73) **Assignee:** G. R. International, Inc., Federal Way, WA (US)
- (*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) **Appl. No.:** 09/358,759
- (22) **Filed:** Jul. 21, 1999
- (51) **Int. Cl.:** C01F 11/18
- (52) **U.S. Cl.:** 423/432; 423/430
- (58) **Field of Search:** 423/430, 432

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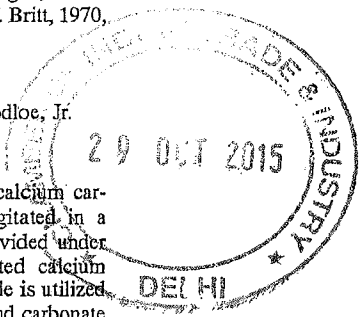
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Primary Examiner—Stuart Hendrickson
(74) *Attorney, Agent, or Firm*—R. Reams Goodloe, Jr.

(57) **ABSTRACT**

A process for the production of precipitated calcium carbonate. A slurry of calcium hydroxide is agitated in a pressurized reactor, and carbon dioxide is provided under pressure to the reactor to produce precipitated calcium carbonate at a high reaction rate. Carbon dioxide is utilized at a high efficiency. Solubilized calcium ions and carbonate ions react to produce a calcium carbonate precipitate. Control of process conditions such as temperature, slurry concentration, and pressure, enables production of a desired crystal habit (including selenohedral, rhombohedral, stacked rhombohedral, or aragonite crystal structures), crystal size, or crystal aspect ratio. The precipitated calcium carbonate produced by the process under pressure is useful as either a paper filler or as an ingredient in paper coatings, and provides a paper product with improved preselected properties, which properties include opacity, density, and/or brightness.

72 Claims, 27 Drawing Sheets



Country: INDIA)

State: _____)

Location: _____)

I certify that I know or have satisfactory evidence that

(1) **VIJAY K. MATHUR** is the person who appeared before me;

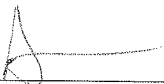
(2) this instrument was sworn to and signed before me this date; and

(3) said person on oath stated that he was authorized to execute the instrument and acknowledged it as the **Manager** of **G.R. TECHNOLOGIES, LLC**, to be the free and voluntary act of such party, for the uses and purposes mentioned in the instrument.

Date: _____

12 OCT 2015

(Seal or Stamp)



Notary Signature

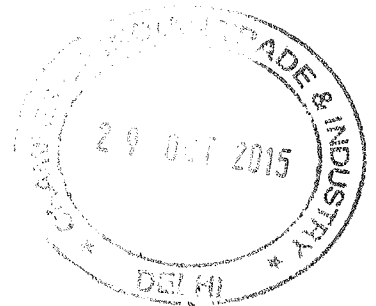
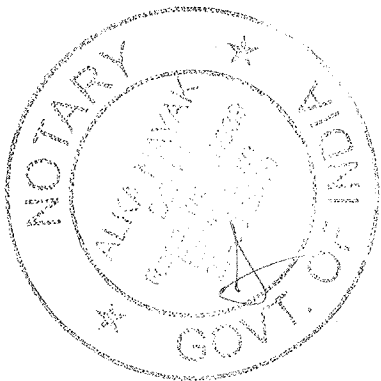
ALAKA NAYAK

Print Name

Certifying Official/Notary Public
in and for:

ATTESTED
ALAKA NAYAK
NOTARY
GOVT. OF INDIA
DELHI
Regn. No. 10639

My appointment expires _____.




ATTESTED


DINESH KR. SINGH
Exec. Secretary
Chamber of Indian Trade & Industries
DELHI

PATENT
REEL: 037139 FRAME: 0702

2011


 भारत सरकार GOVERNMENT OF INDIA
 अपॉस्टिल / APOSTILLE
 (Convention de La Haye du 5 octobre 1961)
 Country: **INDIA**

This public document of the type
COMMERCIAL DOCUMENT

is issued to **G.R. TECHNOLOGIES, LLC**

has been signed by **EXEC. SECRETARY**


with the seal / stamp of **CHAMBER OF INDIAN TRADE AND INDUSTRIES, DELHI**

Certified by
Section Officer(OI) MINISTRY OF EXTERNAL AFFAIRS
 on **30-Oct-2015** at **NEW DELHI, INDIA**
 with reference no. **DLND0000447615**

(सुषमा रंजन)
 Signature: **SUSMA RANJAN**
 अतिरिक्त सचिव (सो.आर्.)
 चीफ ऑफिसर (ओ.आई.)
 चीफ ऑफिसर, एच.एच.डी. डिवीजन
 विदेश मंत्रालय, नई दिल्ली
 Ministry of External Affairs
 New Delhi

ACKNOWLEDGED AND ACCEPTED:

PACIFIC NANO PRODUCTS, INC.
(A Washington corporation)


By: BRIAN R. MCCLAIN
Its: CEO
Date: 11/17/15

STATE OF WASHINGTON)
) ss.
COUNTY OF KING)

I certify that I know or have satisfactory evidence that **BRIAN R. MCCLAIN** 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 **President** 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: 11-17-15

(Seal or Stamp)


Notary Signature

S. VALENTINE
Print Name



Notary Public in and for the State of Washington,
residing at Alhambra, WA.
My appointment expires 3-9-17.