

Search history

Search 1: TAC=(silver and nanoparticles and solanacearum) (Results 2)
Search 2: TAC=(silver and nanoparticles and solanacearum and ozyosporum) (Results 0)
Search 3: TAC=(silver and nanoparticles and ozyosporum) (Results 0)
Search 4: TAC=(silver and nanoparticles and banana) (Results 6)

1) Family number: 46549660 (US2011003001A)

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Title: BISMUTH-THIOLS AS ANTISEPTICS FOR EPITHELIAL TISSUES, ACUTE AND CHRONIC WOUNDS, BACTERIAL BIOFILMS AND OTHER INDICATIONS

Abstract: Source: US2011003001A Compositions and methods, including novel homogeneous microparticulate suspensions, are described for treating acute wounds, chronic wounds and/or a wound or epithelial tissue surface that contains bacterial biofilm, including unexpected synergy between bismuth-thiol (BT) compounds and certain antibiotics, to provide topical formulations including antiseptic formulations, for management and promotion of wound healing and in particular infected wounds. Previously unpredicted antibacterial properties and anti-biofilm properties of disclosed BT compounds and BT compound-plus-antibiotic combinations are also described, including preferential efficacies of certain such compositions for treating gram-positive bacterial infections, and distinct preferential efficacies of certain such compositions for treating gram-negative bacterial infections.

Classifications:

International (IPC 8-9): A01M1/20 A01N A01N25/04 A01N25/08 A01N25/12 A01N25/34 A01N37/18 A01N43/16 A01N43/36 A01N43/40 A01N43/54 A01N43/60 A01N43/78 A01N43/84 A01N43/90 A01N45/00 A01N47/44 A01N55/02 A01N57/24 A01N59/02 A01N63/00 A01P1/00 A01P3/00 A61K31/045 A61K31/095 A61K31/138 A61K31/165 A61K31/192 A61K31/28 A61K31/29 A61K31/407 A61K31/426 A61K31/427 A61K31/43 A61K31/431 A61K31/44 A61K31/4409 A61K31/495 A61K31/496 A61K31/497 A61K31/5377 A61K31/5383 A61K31/545 A61K31/546 A61K31/555 A61K31/65 A61K31/665 A61K31/7004 A61K31/7028 A61K31/7036 A61K31/704 A61K31/7042 A61K31/7048 A61K31/7056 A61K31/95 A61K33/24 A61K38/00 A61K38/02 A61K38/12 A61K38/14 A61K38/27 A61K38/48 A61K45/00 A61K45/06 A61K8/19 A61K8/46 A61K9/00 A61K9/06 A61K9/10 A61K9/14 A61K9/16 A61K9/70 A61L24/00 A61L24/06 A61P1/02 A61P17/00 A61P17/02 A61P3/04 A61P3/08 A61P3/10 A61P31/02 A61P31/04 A61P31/10 A61P31/12 A61P43/00 A61Q11/00 A61Q19/10 C07H21/04 C07K14/46 C07K14/61 C12N1/21 C12N15/62 C12N15/63 C12N5/10 C12N9/64 (Advanced/Invention); A61K31/045 A61K31/28 A61P17/00 A61P31/00 (Core/Invention); A01P1/00 (Core/Non-invention); A01N A01P A61K A61P (Subclass/Invention)

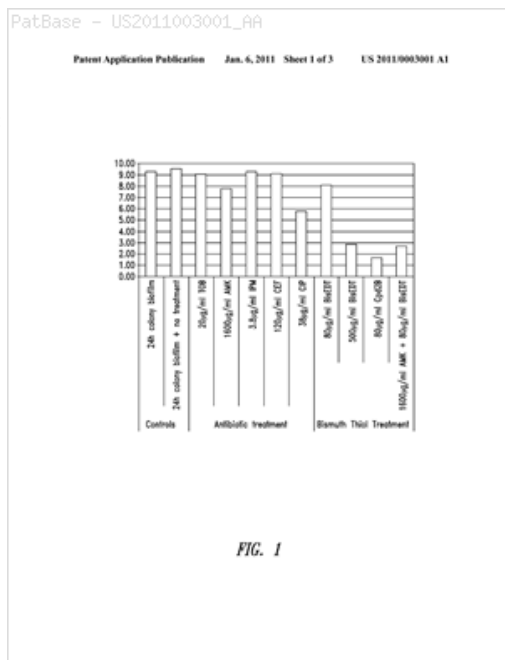
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European: A61K31/095 A61K31/29 A61K33/24B A61K9/00M3 A61K9/06 A61K9/10 A61K9/14H6 A61K9/70E

US: 1/1 424/400 424/489 424/489P 424/629 424/651 424/653 504/152 514/154 514/188 514/192 514/197 514/198 514/2.3 514/2.7 514/2.700S 514/2.8 514/2.800S 514/200 514/202 514/206 514/210.09 514/210.15 514/25 514/253.08 514/25S 514/3.1 514/3.100S 514/312 514/345 514/36 514/363 514/368 514/37 514/37S 514/39 514/39S 514/40 514/40S 514/41 514/41S 514/492 514/503 514/503S 514/706

Family:

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CN103096720 B	20160330	CN201180042863	20110811
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EP2393491 A4	20120808	EP20100739086	20100203
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Priority:

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US20150676698	20150401	JP20160003005	20160108	US20160151130	20160510
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GR GT GW HN HR HU ID IE IL

2) Family number: 50757457 (US2013240439A)

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Title: REDUCED GRAPHENE OXIDE-BASED-COMPOSITES FOR THE PURIFICATION OF WATER

Abstract: Source: US2013240439A A nanocomposite is disclosed comprising reduced graphene oxide (RGO) and at least one of a metal and an oxide of the metal. Also disclosed is an adsorbent comprising the nanocomposite and an adsorbent comprising the nanocomposite bound to silica by using chitosan. A filtering device comprising the nanocomposite and/or the adsorbent is also disclosed. Also disclosed are methods for producing the nanocomposites, adsorbents, and filtering devices described herein.

Classifications:

International (IPC 8-9): B01J B01J20/06 B01J20/10 B01J20/20 B01J20/28 B01J20/30 B82Y30/00 B82Y40/00 C01B31/00 C01B31/02 C02F1/28 H01G11/42 H01G11/46 (Advanced/Invention)

CPC: C02F1/281 B01J20/06 B01J20/02 B01J20/28007 B01J20/28016 B01J20/3204 B01J20/3236 B01J2220/56 B01J20/103 B82Y30/00 Y10T428/31678 Y10T428/31681 Y10T428/31703 B01J20/205 B01J20/3212

US: 210/502.1 252/175 252/176 252/178 428/457 428/458 428/464 428/472.2

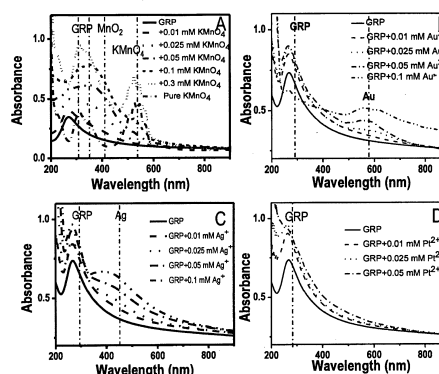


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
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IN291052 B	20171229	IN2010CH02563	20100903
JP2013542053 T2	20131121	JP20130526567T	20110902
JP2016193431 A2	20161117	JP20160114309	20160608
SG10201507003V A1	20151029	SG20151007003	20110902
SG188350 A1	20130430	SG20130015417	20110902
US2013240439 AA	20130919	US20110820403	20110902
WO12028964 A2	20120308	WO20111B02740	20110902
WO12028964 A3	20130704	WO20111B02740	20110902

Priority:

IN2010CH02563 20100903 JP20130526567T 20110902 WO20111B02740 20110902
JP20160114309 20160608

Probable Assignee: INDIAN INST OF TECHNOLOGY

Assignee(s): (std): INDIAN INST OF TECH ; INDIAN INST TECHNOLOGY ; MALIYEKKAL SHIHABUDHEEN MUNDAMPRA ; THALAPPIL PRADEEP ; SREENIVASAN SREEPRASAD THERUVAKKATTIL ; PRADEEP THALAPPIL

Assignee(s): INDIAN INSTITUTE OF TECHNOLOGY ; INDIAN INST OF TECHNOLOGY

Inventor(s): (std): PRADEEP THALAPPIL ; SHIHABUDHEEN MUNDAMPRA MALIYEKKAL ; SREEPRASAD THERUVAKKATTIL SREENIVASAN ; THALAPPIL PRADEEP ; SREENIVASAN SREEPRASAD THERUVAKKATTIL ; MALIYEKKAL SHIHABUDHEEN MUNDAMPRA

Inventor(s): THERUVAKKATTIL SREENIVASAN SREEPRASAD ; MUNDAMPRA MALIYEKKAL SHIHABUDHEEN

Agent(s): YAMASAKI KAZUO; HAKODA ATSUSHI; ICHIKAWA SATSUKI; KUMAKURA YOSHIO; ASAI KENJI; NISHIJIMA TAKAKI; HATTORI HIRONOBU; DESHIMARU TAKESHI; DREW AND NAPIER LLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 52165760 (US2014202943A)

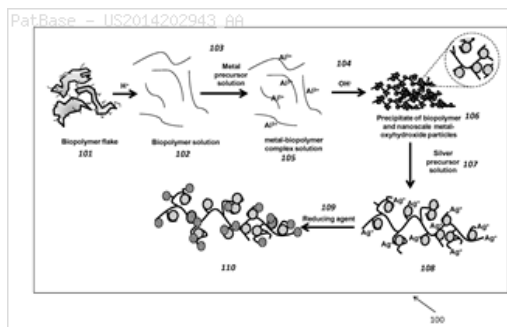
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Title: SUSTAINED SILVER RELEASE COMPOSITION FOR WATER PURIFICATION

Abstract: Source: US2014202943A Described herein are methods and compositions for preparing an adsorbent composition for sustained silver ion release is provided. The method comprises impregnating silver nanoparticles on an organic-templated-nanometal oxyhydroxide. Particle size of the silver nanoparticles is less than about 50 nm. The adsorbent composition is antimicrobial in water. In an aspect, the organic- templated-nanometal oxyhydroxide is organic-templated-boehmite nanoarchitecture (OTBN). The resultant adsorbent composition is used as a water filter in a water purification device.

Classifications:

International (IPC 8-9): B01D B01D24/00 B01D39/00 B01D39/14 B01J20/08 B01J20/28 B22F9/24 C02F C02F1/28 C02F1/50 C02F1/68 (Advanced/Invention); B01D (Subclass/Invention)
CPC: C02F1/001 C02F1/288 C02F1/505 B01J20/0233 B01J20/06 B01J20/08 B01J20/3057 B01J20/3204 B01J20/3236 B01J20/28007 B82Y30/00 C02F1/50 C02F2303/04
US: 210/198.1 427/216



Family:

Publication number	Publication date	Application number	Application date
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SG193947 A1	20131129	SG20130072053	20120323
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Priority:

CN201280021921 20120323 IN2011CH00947 20110325 WO20121B01079 20120323

Probable Assignee: INDIAN INST TECHNOLOGY

Assignee(s): (std): ANSHUP ; CHAUDHARY AMRITA ; INDIAN INST OF TECH ; SANKAR MOHAN UDHAYA ; RAJARAJAN GAYATHRI ; INDIAN INST TECHNOLOGY ; MOHAN HIMANSHU ; PRADEEP THALAPPIL

Assignee(s): INDIAN INST OF TECHNOLOGY ; INDIAN INSTITUTE OF TECHNOLOGY

Inventor(s): (std): ANSHUP ; SANKAR MOHAN UDHAYA ; RAJARAJAN GAYATHRI ; PRADEEP THALAPPIL ; MOHAN UDHAYA SANKAR ; MOHAN HIMANSHU ; HIMANSHU MOHAN ; GAYATHRI RAJARAJAN ; CHAUDHARY AMRITA ; AMRITA CHAUDHARY ; THALAPPIL PRADEEP

Inventor(s): M UDHAYA SANKAR

Agent(s): GRIFFITH HACK; YAMASAKI KAZUO; HAKODA ATSUSHI; ICHIKAWA SATSUKI; KUMAKURA YOSHIO; ASAI KENJI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 54981070 (US2015132856A)

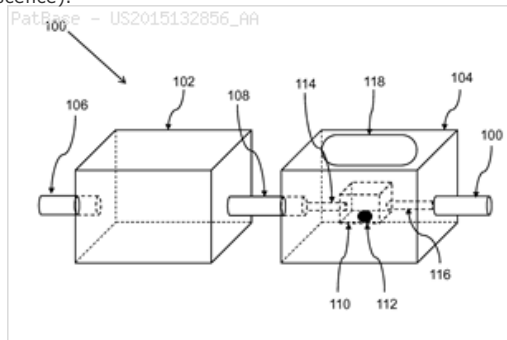
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Title: DETECTION OF QUANTITY OF WATER FLOW USING QUANTUM CLUSTERS

Abstract: Source: US2015132856A The preparation of silver quantum clusters embedded in organic-templated-boehmite-nanoarchitecture (OTBN) and its use as a sensor for quantity of water flow measured by change of color in visible light upon flow of contaminated water have been provided. Silver quantum clusters-embedded OTBN are highly luminescent. Since the quantum clusters are embedded in the matrix, they are highly stable over a long period of time. The composition described here is utilized in the form of a device for 'visible/ultraviolet light color change-based detection' upon passage of water through a water purification device. Upon interaction with ions present in water, luminescent silver clusters undergo chemical transformation to Ag₂S nanoparticles. The transformation is reflected in the form of visible color change (from pink to black) and luminescence quenching (from red emission to negligible luminescence).

Classifications:

International (IPC 8-9): B82Y30/00 C02F1/00 C02F1/28 G01F1/00 G01F22/00 G01N21/29 G01N21/64 G01N21/78 G01N33/18 G01N33/543 G01N33/544 G01N33/551 (Advanced/Invention)
CPC: G01N33/1893 G01N21/78
US: 210/95 436/165 436/79 436/80



Family:

Publication number	Publication date	Application number	Application date
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JP2015525337 T2	20150903	JP20150506324T	20130417
MX2014012608 A1	20150617	MX20140012608	20130417
US2015132856 AA	20150514	US20130394825	20130417
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Priority:

IN2012CH01521 20120417 WO20131B01244 20130417

Probable Assignee: INDIAN INST TECHNOLOGY

Assignee(s): (std): INDIAN INST TECHNOLOGY

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Inventor(s): THALAPPIL PRADEEP ; THUMU UDAYABHASKARA RAO ; THUMU UDAYABHASKARARAO ; CHAUDHARY AMRITA ; LEELAVATHI ANNAMALAI ; MOHAN UDHAYA SANKAR

Agent(s): YAMASAKI KAZUO; HAKODA ATSUSHI; ICHIKAWA SATSUKI; KUMAKURA YOSHIO; ASAI KENJI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 63363226 (IN03774CH2014A)

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Title: METHOD OF MAKING ANTIMICROBIAL FABRIC USING SILVER NANOPARTICLES, BANANA SAP AND NATURAL DYE

Abstract: Source: IN03774CH2014A The present invention describes methods for making cotton fabrics which are antibacterial in nature due to the presence of silver nanoparticles which were synthesized and permanently coated to the cotton fabric using naturally available banana pseudostem sap. The fabric was also dyed using naturally available pigment from berries of Vitex altissima. Silver nanoparticles were synthesized using banana sap as a solvent, reducing agent and capping agent. Banana sap was also used as a binder to incorporate silver nanoparticles onto cotton fabric. UV-Visible spectroscopy, Dynamic Light Scattering and Scanning Electron Microscopy analyses were used to characterize silver nanoparticles. Silver nanoparticle coated fabric showed high antimicrobial activity against gram negative bacteria such as Pseudomonas aeruginosa and Escherichia coli, and gram positive bacteria such as Bacillus subtilis and Staphylococcus aureus. Nanoparticle coated dyed fabric was subsequently analyzed for retention of silver nanoparticles after extensive treatments with detergents at various temperatures.

Classifications:

International (IPC 8-9): A01N (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN03774CH2014 A	20160701	IN2014CH03774	20140801

Priority:

IN2014CH03774 20140801

Probable Assignee: KARUNYA UNIV KARUNYA INST OF TECHNOLOGY AND SCIENCES

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Title: THERMOPLASTIC CELLULOSIC FIBER GRANULES USEFUL AS INFILL MATERIALS FOR ARTIFICIAL TURF

Abstract: An artificial turf system has polymeric turf fibers resembling grass, and infill particles interspersed among said turf fibers. At least some of the infill comprises synthetic composite particles containing a thermoplastic polymer and cellulosic fibers, in which thermoplastic polymer is a matrix that binds together the other components of each synthetic particle into a composite particle.

Classifications:

International (IPC 8-9): B29C67/02 B29C73/00 C08J11/06 E01C13/08 (Advanced/Invention)

CPC: E01C13/08

Family:

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID

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SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW