

Search history

Search 1: kaolinite and tourm* and alum* and oxide and silic* and composition (Results 54)

Search 2: 1 and cerami* (Results 29)

Search 3: 2 and (wt or weight or content or ratio or percentage) (Results 29)

Search 4: 3 and (titanium or magnesium or "Ti" or "Mg") (Results 28)

Search 5: 3 and ("titanium oxide" or "magnesium oxide" or "titania" or magnesia or "Ti" or "Mg" or "TiO2" or "MgO2") (Results 24)

Title: BIO-CERAMIC **COMPOSITIONS** AND BIOMODULATORY USES THEREOF

Abstract: Source: US2015335742A [EN] The subject matter described herein is directed to articles, **compositions**, systems, and methods of using and preparing bioceramic **compositions** and to the bioceramic **compositions**. A bioceramic **composition** of the disclosure radiates infrared energy or rays and can be used in the treatment of various conditions.

Classifications:

International (IPC 8-9): A43B17/00 A44C27/00 A47G19/00 A47G27/02 A47G9/02 A47G9/06 A47G9/10 A61K33/00 A61K33/08 A61K33/22 A61K33/24 A61K41/00 A61M21/02 A61N A61N5/00 A61N5/06 B32B1/02 C04B33/04 C04B33/24 C04B35/18 D06M11/36 D06M11/45 D06M11/46 D06M11/79 (Advanced/Invention); A41B1/00 A61F7/00 A61M21/00 B32B1/08 D06M15/643 (Advanced/Non-invention); A61N (Subclass/Invention)

CPC: C04B33/04 A61M21/02 A61M2021/0016 C04B2235/9607 A61N2005/0643 A61N2005/0656 A61N2005/0645 A61N2005/066 A61K33/24 A61K33/00 A61K33/08 A61K33/22 A61K41/0052 A61N5/0625 A61F2007/0088 A61N5/0613 A61N5/0616 A61N2005/0659 D06M11/36 D06M11/45 D06M11/46 D06M11/79 D06M15/643

US: 424/489 501/105 600/26 600/27 607/100

PatBase - US2015335742_HA



FIGURE 1

Family:

Publication number	Publication date	Application number	Application date
AU2015256338 AA	20151112	AU20150256338	20150501
BR112016026001 A2	20170815	BR20161126001	20150501
CA2946898 AA	20161024	CA20152946898	20150501
CN106488785 A	20170308	CN201580036719	20150501
CO20160003955 A2	20170410	CO20160003955	20161109
EA201692098 A1	20170531	EA20160092098	20150501
EP3140004 A1	20170315	EP20150789387	20150501
EP3140004 A4	20180110	EP20150789387	20150501
IL248519 A0	20161229	IL20150248519	20150501
IN201617036730 A	20170324	IN201617036730	20161026
JP2017525400 T2	20170907	JP20160565399T	20150501
KR20170003607 A	20170109	KR20167033636	20150501
MX2016014465 A1	20170427	MX20160014465	20150501
PE02782017 A1	20170405	PE20160002173	20150501
US2015335742 AA	20151126	US20150702467	20150501
US2016136386 AA	20160519	US20150965741	20151210
US2016136452 AA	20160519	US20150965746	20151210
US2017049890 AA	20170223	US20150308283	20150501
US2018055933 AA	20180301	US20170719418	20170928
US9833509 BB	20171205	US20150702467	20150501
WO15171467 A1	20151112	WO2015US28910	20150501

Priority:

US20140018085P 20140627	US20140062686P 20141010	US20150115567P 20150212
US20140064939P 20141016	US20140988837P 20140505	US20150308283 20150501
US20150702467 20150501	US20150965741 20151210	US20150965746 20151210
WO2015US28910 20150501	US20170719418 20170928	

Probable Assignee: MULTIPLE ENERGY TECHNOLOGIES LLC

Assignee(s): (std): CIDRAL FILHO FRANCISCO JOSE ; DE PAULA MOREIRA FRANCISCO ; MIDTTUN STEVEN ; MULTIPLE ENERGY TECH LLC ; MULTIPLE ENERGY TECHNOLOGIES LLC ; VISSMAN SHANNON

Inventor(s): (std): CIDRAL FILHO FRANCISCO JOSE ; DE PAULA MOREIRA FRANCISCO ; FRANCISCO DE PAULA MOREIRA ; FRANCISCO JOSE CIDRAL FILHO ; MIDTTUN STEVEN ; SHANNON VISSMAN ; STEVEN MIDTTUN ; VISSMAN SHANNON

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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 IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI 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 SA 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

Title: FIRE PROTECTION **COMPOSITIONS**, METHODS, AND ARTICLES

Abstract: Source: US2011023748A [EN] This disclosure relates to inorganic coatings suitable for fire protection, fire retardancy, and articles comprising same. Specifically, the disclosure relates to the manufacture and use of inorganic phosphate-based coating formulations for fire protection, preventing or reducing fire propagation, and for heat management.

Classifications:

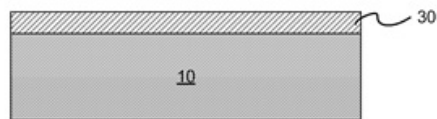
International (IPC 8-9): B05B17/00 B05B7/24 B05C13/00 B05D1/02 B05D1/36 B05D3/00 B05D3/02 B05D3/10 B05D7/00 B05D7/24 B32B15/04 C01B25/30 C01B25/32 C01B25/34 C01B25/36 C01B25/45 C04B12/02 C04B28/34 C04B35/04 C04B35/057 C04B35/447 C04B35/515 C04B35/622 C04B41/50 C09D1/00 C09D1/06 C09D5/08 C09D5/18 C09D7/02 C09D7/12 C09K21/04 C11D3/02 C23C16/22 C23C18/48 C23C22/07 C23C22/12 C23C22/22 C23C22/60 C23C22/62 C23C22/68 C23C22/78 C23F11/00 C23F11/04 C23F11/08 (Advanced/Invention); C04B111/00 C08K3/32 (Advanced/Non-invention); C09D1/00 C09D5/18 C09D7/12 (Core/Invention)

CPC: C04B2111/00525 C23C22/62 C08K3/32 C23F11/08 B32B15/04 C09D5/08 C23C22/68 C04B22/062 C04B24/38 C04B22/066 C04B22/06 C04B14/06 C04B35/447 C01B25/36 C01B25/45 C04B35/62204 C04B2111/00172 C04B2235/3201 C04B2235/3206 C04B2235/3208 C04B2235/3217 C04B2235/3244 C04B2235/3262 C04B2235/3284 C04B2235/3418 C04B2235/3463 C04B2235/9661 C09D1/06 C04B35/04 C04B35/057 B05B7/2472 Y02W30/92 C04B28/34 C04B28/342 C04B2111/00482 C04B2111/28 C09D1/00 C09K21/04 C09D5/18 C04B41/50 C23C22/76

European: C01B25/36 C01B25/45 C04B28/34 C04B28/34A C04B35/447 C04B35/622A C09D1/00 C09D5/08B2 C09D5/18 C23C22/68 C23F11/08 M04B111/00T2 M04B111/28 M04B235/32B M04B235/32D2 M04B235/32D4 M04B235/32F M04B235/32H8 M04B235/32J M04B235/32M M04B235/34D M04B235/34F10 M04B235/96610 M08K3/32

US: 106/14.05 106/18.14 106/18.140P 106/690 148/22 148/253 148/263 148/320 239/10 239/10S 239/304 252/387 252/387S 423/306 423/306S 423/309 423/309S 423/311 423/311S 427/142 427/248.1 427/255.395 427/255.395S 427/327 427/327S 427/331 427/372.2 427/372.200S 427/403 427/419.3 427/419.300S 427/427 427/427S 428/472.3 428/472.300P 501/1 501/134 501/142 501/142S 501/152 501/152S 501/153 501/153S 501/154 501/154S 501/1S 510/258 510/258S

PatBase - US2011023748_RH



Family:

Publication number	Publication date	Application number	Application date
AU2010327923 AA	20110616	AU20100327923	20101210
AU2010327923 BB	20150507	AU20100327923	20101210
AU2010328682 AA	20110616	AU20100328682	20100820
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CA2783674 AA	20110616	CA20102783674	20100820
CA2783723 AA	20110616	CA20102783723	20101210
CN102770583 A	20121107	CN201080056382	20100820
CN102770583 B	20150805	CN201080056382	20100820
CN102781871 A	20121114	CN201080056375	20101210
CN102781871 B	20141126	CN201080056375	20101210
EP2509927 A2	20121017	EP20100836780	20101210
EP2509927 A4	20130724	EP20100836780	20101210
EP2510134 A1	20121017	EP20100836345	20100820
EP2510134 A4	20130703	EP20100836345	20100820
IN05998DN2012 A	20131213	IN2012DN05998	20120705
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JP2013513703 T2	20130422	JP20120543319T	20101210
JP2013513729 T2	20130422	JP20120543092T	20100820
JP5669859 B2	20150218	JP20120543092T	20100820
JP6134140 B2	20170524	JP20120543319T	20101210
KR20120101541 A	20120913	KR20127017926	20100820
KR20120113224 A	20121012	KR20127017925	20101210
US2011023748 AA	20110203	US20100711077	20100223
US2011143154 AA	20110616	US20100860513	20100820
US2011143910 AA	20110616	US20100965789	20101210
US2013126050 AA	20130523	US20130746915	20130122
US2013139930 AA	20130606	US20120493980	20120611
US2014044877 AA	20140213	US20130054360	20131015
US2015104368 AA	20150416	US20140512999	20141013
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US2016068442 A9	20160310	US20140512999	20141013
US2016319436 AA	20161103	US20160146551	20160504
US2016332880 A9	20161117	US20150834409	20150824
US8557342 BB	20131015	US20100860513	20100820
US8858702 BB	20141014	US20100965789	20101210
WO10096827 A1	20100826	WO2010US25096	20100223
WO10096827 A4	20101118	WO2010US25096	20100223
WO11071569 A1	20110616	WO2010US46126	20100820
WO11072262 A2	20110616	WO2010US59958	20101210
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WO11075712 A2	20110623	WO2010US61178	20101218
WO11075712 A3	20111020	WO2010US61178	20101218
WO13188402 A2	20131219	WO2013US45178	20130611
WO13188402 A3	20140403	WO2013US45178	20130611

Priority:

US20090154571P	20090223	US20090285948P	20091211	US20100711077	20100223
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US20150834409	20150824	US20160146551	20160504	WO2010US61178	20101218

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Inventor(s): (std): WAGH ARUN S ; WILLIAM GEORGE ; VASANTLAL PATEL SAMEERKUMAR ; KAUSIK MUKHOPADHYAY ; ARUN WAUGH ; WAUGH ARUN ; WAGH ARUN ; PATEL SAMEERKUMAR VASANTLAL ; MUKHOPADHYAY KAUSIK ; GEORGE WILLIAM ; DROZD VADYM ; COLLINS ANTHONY ; VADYM DROZD

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; RIDOUT AND MAYBEE LLP; FIUSSELLO FRANCESCO; MOORE AND VAN ALLEN PLLC; CHRISTOPHER J; KNORS CHRISTOPHER; KNORS CHRISTOPHER J

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 LI 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

Title: GALVANIC COATING **COMPOSITIONS** COMPRISING POLYOL SILCATES AND ZINC DUST

Abstract: Source: US3917648A [EN] Galvanically-protective coating **compositions** are prepared comprising polyol **silicates** and zinc dust. The **compositions** provide long-life protection for steel against rusting in moist and salty atmospheres. The zinc and **silicate** components may be compounded in one package or as two packages to be mixed prior to application as a film. **Compositions** comprising zinc and the polyol **silicates** with solvents, and with or without fillers or organic polymeric materials are especially useful as coatings. The range of polyol to organic **silicate** employed in making the polyol **silicates** is about 0.05 to 1.8 moles of reactive OH grouping supplied by the polyol per mole of ester-exchangeable group in the **silicates** the larger **ratios** being especially useful for the monomer type **silicates** and decreasing as the --Si-O-Si-- **CONTENT** INCREASES.

Classifications:

International (IPC 8-9): B23K35/22 C07F7/04 C07F7/08 C08G77/48 C08L83/02 C09D183/02 C09D183/10 C09D183/14 C09D5/08 C09D5/10 C23C22/74 (Advanced/Invention); B23K35/22 C07F7/00 C08G77/00 C08L83/00 C09D183/02 C09D183/10 C09D183/14 C09D5/08 C09D5/10 C23C22/73 (Core/Invention)

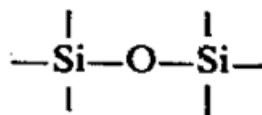
International (IPC 1-7): B44D1/09 C08G31/04 C08G31/28 C08G47/00 C08G47/08 C08G51/04 C08G77/02 C08G77/46 C08G77/48 C08G77/48 C08G77/60 C08G77/60 C08K5/07 C08L29/14 C08L83/00 C08L83/02 C09B3/82 C09D3/82 C09D5/00 C09D5/10 C09D7/00 C09D9/00

CPC: C09D5/10 C07F7/045 C07F7/0834 C09D5/084 C23C22/74 C09D183/14 C08G77/48 C08K3/08 C09D183/02 B23K35/226 C08K3/22 C08K3/24 C08K3/30 C08K3/32 C09D5/106 C09D183/10 C08K3/16 C08K3/26 C08K3/38

European: B23K35/22D C07F7/04B C07F7/08D C08G77/48 C09D183/02 C09D183/10 C09D183/14 C09D5/08B2 C09D5/10 C09D5/10D C23C22/74

US: 106/1.05 106/1.16 106/1.17 106/14.34 106/14.44 106/287.16 260/32.8SB 260/37SB 524/100 524/104 524/364 524/376 524/379 524/386 524/432 524/434 524/439 524/451 524/557 524/780 524/783 524/784 524/785 524/786 524/791 524/859 524/863 524/99 525/186 525/342 525/477 525/56 525/58 528/29 528/425

PatBase - US3917648_A



Family:

Publication number	Publication date	Application number	Application date
AR194826 A1	19730824	AR19710238151	19710924
AU197133845 A1	19730329	AU19710033845	19710923
BE773048 A	19720324	BE19710773048	19710924
CA1010176 A1	19770510	CA19710123378	19710921
CA1026481 A1	19780214	CA19730179696	19730827
DE2147804 A1	19720727	DE19712147804	19710924
DE2147804 B2	19790705	DE19712147804	19710924
DE2147804 C3	19800306	DE19712147804	19710924
ES395354 A1	19741101	ES19710395354	19710923
FR2107944 A1	19720512	FR19710034314	19710923
FR2107944 B1	19730629	FR19710034314	19710923
GB1375197 A	19741127	GB19710043953	19710921
GB1449002 A	19760908	GB19730040548	19730828
IL37769 A0	19711129	IL19710037769	19710923
IL37769 A1	19750728	IL19710037769	19710923
IT942193 A	19730320	IT19710053057	19710923
JP58010421 B4	19830225	JP19710074517	19710924
NL166971 B	19810515	NL19710013174	19710924
NL166971 C	19811015	NL19710013174	19710924
NL7113174 A	19720328	NL19710013174	19710924
NO138030 B	19780306	NO19710003488	19710921
NO138030 C	19780614	NO19710003488	19710921
SE376770 B	19750609	SE19710012054	19710923
SE376770 C	19750918	SE19710012054	19710923
US3917648 A	19751104	US19720283964	19720828
US3932339 A	19760113	US19730409067	19731024
US3997501 A	19761214	US19750585865	19750611
US4086095 A	19780425	US19750542837	19750121
US4086096 A	19780425	US19750559750	19750319
US4110117 A	19780829	US19750626624	19751029

Priority:

US19700075306 19700924	US19710107578 19710118	US19730409067 19731024
US19720283964 19720828	US19750559750 19750319	US19750542837 19750121
US19750585865 19750611		

Probable Assignee: MOBIL OIL CORP

Assignee(s): (std): OMCLOUD G D ; DONALD MCLEOD ; G D MCLEOD AND SONS INC ; GOOTON DONARUDO MATSUKUREODO ; MAC LEOD GORDON ; MCLEOD GORDON D ; MOBIL OIL ; MOBIL OIL NEW YORK CORP ; MOBIL OIL CORP ; MCLEOD G D ; MCLEOD GORDON D 4483 CLUB VIEW DRIVE ADRIAN MICHIG ; MCLEOD G ; MOBIL OIL TE NEW YORK CORP ; MOLEOD GORDON D

Assignee(s): VALSPAR A CORP OF DE CORP ; MCLEOD GORDON D 4483 CLUB VIEW DRIVE ADRIAN MICHIGAN E U A ; VALSPAR CORP ; MOBILE OIL CORP ; MCLEOD GORDON D 4483 CLUB VIEW DRIVE ADRIAN MICHIG ; MOBIL OIL CORP NEW YORK N Y V ST A ; GORDON DONALD MCLEOD

Inventor(s): (std): MCLEOD GORDON D ; MCLEOD G D ; GORDON DONALD MCLEOD ; GOODON DONARUDO MATSUKUREODO ; OMCLOUD G D ; MCLEOD GORDON DONALD

Inventor(s): MCLEOD GORDON DONALD ADRIAN MICH V ST A

Agent(s): AE MULFORD

Title: SYSTEM STABILIZERS AND PERFORMANCE ENHANCERS FOR AQUEOUS FLUIDS GELLED WITH VISCOELASTIC SURFACTANTS

Abstract: Source: US2005252658A [EN] An aqueous, viscoelastic fluid gelled with a viscoelastic surfactant (VES) is stabilized and improved with an effective amount of an alkali earth metal **oxide** and/or alkali earth metal hydroxide. These fluids are more stable and have reduced or no tendency to precipitate, particularly at elevated temperatures. The additives may also increase viscosity to the point where less VES is required to maintain a given viscosity. These stabilized, enhanced, aqueous viscoelastic fluids may be used as treatment fluids for subterranean hydrocarbon formations, such as in hydraulic fracturing.

Classifications:

International (IPC 8-9): B01D15/00 B01D39/06 B01J20/02 B01J20/04 B01J20/06 B01J20/08 B01J20/22 B01J20/28 B01J20/32 B01J20/34 B05D7/00 B82B3/00 B82Y30/00 C02F1/00 C02F1/28 C09K8/00 C09K8/02 C09K8/03 C09K8/04 C09K8/05 C09K8/06 C09K8/08 C09K8/32 C09K8/50 C09K8/504 C09K8/506 C09K8/516 C09K8/528 C09K8/536 C09K8/56 C09K8/565 C09K8/57 C09K8/575 C09K8/58 C09K8/582 C09K8/584 C09K8/60 C09K8/62 C09K8/64 C09K8/66 C09K8/68 C09K8/70 C09K8/72 C09K8/74 C09K8/76 C09K8/80 C09K8/82 C09K8/84 C09K8/86 C09K8/92 E21B33/00 E21B33/13 E21B43/00 E21B43/02 E21B43/04 E21B43/12 E21B43/14 E21B43/16 E21B43/20 E21B43/22 E21B43/25 E21B43/26 E21B43/267 E21B43/27 E21B47/00 E21B47/10 (Advanced/Invention); B82Y30/00 C02F101/30 (Advanced/Non-invention); B05D7/00 C02F1/28 C09K8/00 C09K8/02 C09K8/50 C09K8/60 E21B33/00 E21B33/13 E21B43/02 E21B43/16 E21B43/25 (Core/Invention)

International (IPC 1-7): C09K8/80 E21B33/13 E21B43/27

CPC: C09K8/74 C09K8/06 E21B43/26 C09K8/845 C09K8/86

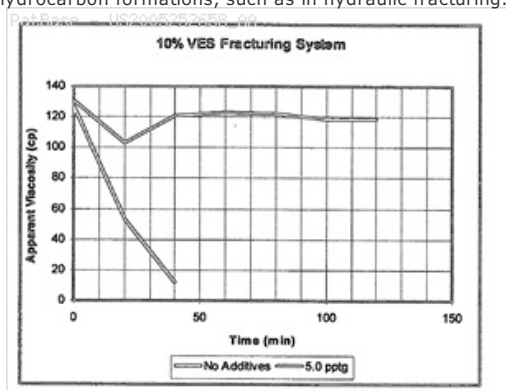
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European: B01J20/02B16B B01J20/02B4 B01J20/04B B01J20/06 B01J20/08 B01J20/28B4 B01J20/28B4D B01J20/32B4 B01J20/32F16 B01J20/32F4D B01J20/34 B01J20/34P B82Y30/00 C02F1/28B C02F1/28L C09K8/03B C09K8/06 C09K8/50 C09K8/504B C09K8/506 C09K8/516 C09K8/536 C09K8/575 C09K8/58 C09K8/60G C09K8/64 C09K8/66B C09K8/68 C09K8/70 C09K8/74 C09K8/80 C09K8/80B C09K8/84A C09K8/86 E21B43/00M E21B43/04 E21B43/14 E21B43/25 E21B43/26 E21B43/267 E21B47/10G L01J220/46 L01J220/66 M02F305/08 M09K208/10 M09K208/12 M09K208/24 M09K208/26 M09K208/30

US: 1/1 166/208.2 166/246 166/250.01 166/250.010S 166/250.12 166/250.120P 166/266 166/268 166/276 166/278 166/279 166/280.1 166/280.2 166/280.200P 166/281 166/282 166/283 166/285 166/300 166/305.1 166/305.100S 166/307 166/308.1 166/308.100P 166/308.2 166/308.200P 166/308.3 210/263 210/282 210/282S 210/502.1 210/502.100S 210/504 210/660 210/670 210/679 210/690 210/691 427/180 427/180S 507/140 507/140P 507/200 507/200S 507/201 507/201P 507/201S 507/203 507/203S 507/204 507/204S 507/209 507/209S 507/218 507/238 507/238S 507/239 507/240 507/241 507/244 507/245 507/250 507/250S 507/254 507/256 507/256S 507/259 507/259S 507/260 507/261 507/261P 507/263 507/263S 507/265 507/265P 507/265S 507/266 507/266S 507/267 507/268 507/268S 507/269 507/269S 507/270 507/270S 507/271 507/271P 507/271S 507/272 507/272S 507/273 507/275 507/275S 507/276 507/276S 507/277 507/277S 977/773 977/773S 977/775 977/775S 977/787 977/811 977/837 977/902 977/902S

Family:

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Priority:

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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 GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI 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 RO RS RU 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 YU ZA ZM ZW

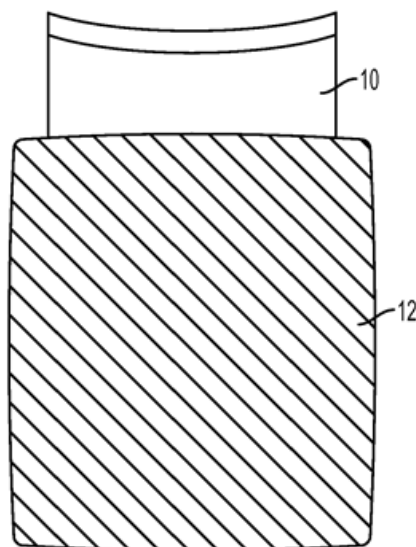
Title: BIO-CERAMIC COMPOSITIONS

Abstract: Source: US2014087040A [EN] This invention relates to compositions and applications for a bioceramic composition that includes from about 45 to about 55 percent by weight of kaolinite (Al₂Si₂O₅(OH)₄); from about 5 to about 15 percent by weight of tourmaline; from about 3 to about 13 percent by weight of aluminum oxide (Al₂O₃); from about 11 to about 19 percent by weight of silicon dioxide (SiO₂); and from about 3 wt percent to about 13 wt percent zirconium oxide (ZrO₂).

Classifications:

International (IPC 8-9): A61K8/25 A61L101/02 A61L2/00 A61Q19/00 A61Q19/10 B29B11/16 C04B C04B33/04 C04B33/13 C04B35/16 C04B35/44 C04B35/622 C08K3/00 C08K3/22 C08K3/34 C08K3/38 C08L101/00 C08L21/00 C12H1/16 D06M11/36 (Advanced/Invention); A61L101/02 (Advanced/Non-invention); A61L B29B C04B C08K (Subclass/Invention)
CPC: C04B35/44 C12H1/165 C04B33/04 C04B2235/3217 C04B2235/3244 C04B2235/3409 C04B2235/3418 C04B2235/3427 C08K3/346 D06M11/45 D06M11/46 D06M11/79 D06M16/00 D06M23/08 D06M23/16 D06M2101/34 C04B35/16 D06M11/36
US: 252/62.51R 426/330.4 501/134 524/413

PatBase - US2014087040_AA

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

US20120705986P 20120926 US20130760546 20130206 WO2013US60636 20130919

Probable Assignee: MULTIPLE ENERGY TECHNOLOGIES LLC

Assignee(s): (std): MULTIPLE ENERGY TECHNOLOGIES LLC

Assignee(s): VISSMAN SHANNON ; CIDRAL FILHO FRANCISCO JOSE ; DE PAULA MOREIRA FRANCISCO ; MIDTTUN STEVEN

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Inventor(s): SHANNON VISSMAN ; STEVEN MIDTTUN ; FRANCISCO DE PAULA MOREIRA ; FRANCISCO JOSE CIDRAL FILHO

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; COLE WILLIAM GWYN; SINGER JAMES M ET AL

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 LI 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 SA 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

Title: BONDING ELEMENT, BONDING MATRIX AND **COMPOSITE** MATERIAL HAVING THE BONDING ELEMENT, AND METHOD OF MANUFACTURING THEREOF

Abstract: Source: US2013122267A [EN] A bonding element, a bonding element matrix and **composite** materials with a wide range of attractive properties that may be optimized, including, but not limited to, mechanical properties, thermal properties, magnetic properties, optical properties and nuclear properties, as a result of a first layer and second layer structure or core, first layer, and second layer structure of the bonding elements, as well as methods for making the bonding elements and the corresponding **ceramic** and/or **composite** materials.

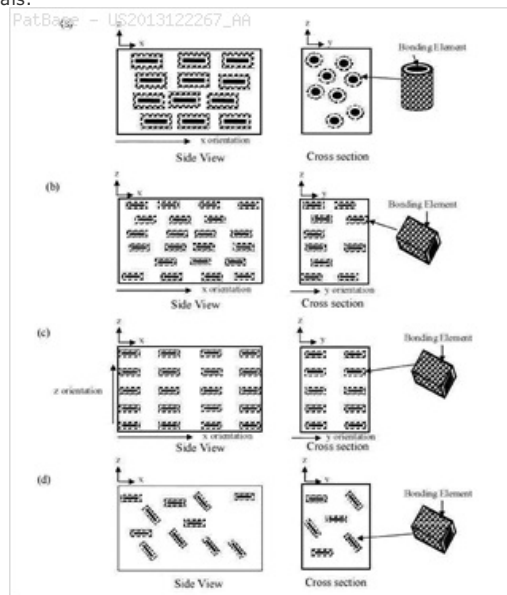
Classifications:

International (IPC 8-9): B05D7/00 B32B3/10 B32B3/26 B32B7/04 B32B9/04 C04B C04B14/04 C04B14/46 C04B20/02 C04B20/10 C04B20/12 C04B22/00 C04B28/04 C04B28/10 C04B28/18 C04B35/16 C04B35/18 C04B35/195 C04B35/20 C04B35/22 C04B35/622 C04B35/628 C04B35/64 C04B35/71 C04B35/80 C04B38/00 C04B40/02 C04B7/02 C04B7/345 C04B7/40 C04B9/20 C23C16/44 (Advanced/Invention); C04B111/20 (Advanced/Non-invention); C04B38/00 (Core/Invention); C04B (Subclass/Invention)

International (IPC 1-7): C04B35/64

CPC: C04B14/465 C04B20/1074 C04B14/043 C04B28/04 C04B211/29 C04B20/12 C04B28/10 C04B211/2015 C04B28/188 C04B20/023 C04B40/0231 C04B20/107 C04B38/0074 Y10T428/24851 Y10T428/249953

US: 106/738 427/212 427/255.4 428/201 428/304.4 428/448



Family:

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EA201300991 A1	20140331	EA20130000991	20120302
EP2683676 A2	20140115	EP20120754738	20120302
EP2683676 A4	20140813	EP20120754738	20120302
ID201700372 A	20170127	ID2013W0004023	20120302
IL228217 A0	20131031	IL20120228217	20120302
IL228217 A1	20170831	IL20120228217	20120302
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JP2014507369 T2	20140327	JP20130557771T	20120302
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KR20140090562 A	20140717	KR20137026065	20120302
MX2013010181 A1	20140414	MX20130010181	20120302
NZ615697 A	20160129	NZ20120615697	20120302
TW201245100 A	20121116	TW20120107317	20120305
TWI561493 B	20161211	TW20120107317	20120305
UA113844 C2	20170327	UA20130011724	20120302
US2013122267 AA	20130516	US20120411218	20120302
US2017044061 AA	20170216	US20160097963	20160413
US9868667 BB	20180116	US20120411218	20120302
WO12122031 A2	20120913	WO2012US27536	20120302
WO12122031 A3	20121129	WO2012US27536	20120302
ZA201307299 A	20140625	ZA20130007299	20130930

Priority:

JP20130557771T 20120302 US20110449659P 20110305 US20120411218 20120302
WO2012US27536 20120302 US20160097963 20160413

Probable Assignee: RUTGERS STATE UNIV OF NEW JERSEY

Assignee(s): (std): ATAKAN VAHIT ; GUPTA SUROJIT ; LI QINGHUA ; RIMAN RICHARD E ; UNIV RUTGERS ; VAHIT ATAKAN ; SUROJIT GUPTA ; RUTGERS STATE UNIV OF NEW JERSEY

Assignee(s): RUTGERS THE STATE UNIVERSITY OF NEW JERSEY

Inventor(s): (std): ATAKAN VAHIT ; GUPTA SUROJIT ; LI QING HUA ; LI QINGHUA ; RIMAN RICHARD E ; SUROJIT GUPTA ; VAHIT ATAKAN

Inventor(s): QINGHUA LI ; RICHARD E RIMAN ; RIMAN RICHARD

Agent(s): FB RICE; FB RICE PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; LIPSCOMBE MARTIN JOHN; LUDIYANTO SH MM; REINHOLD COHN AND PARTNERS; KOBAYASHI HIROSHI; OHMORI NORIO; DENTONS US LLP; ROCCHIGIANI RENZO N

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

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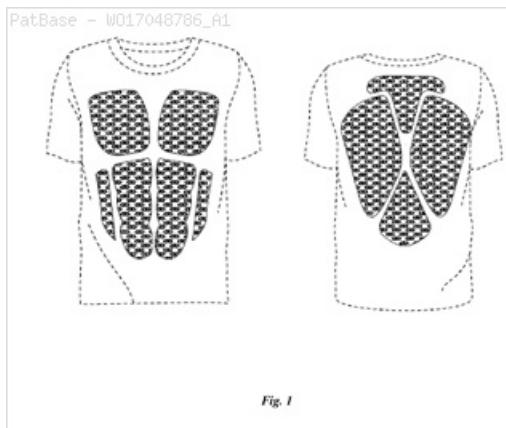
Title: THERMAL ENERGETIC METHODS OF APPLYING BIOLOGICALLY ACTIVE CERAMICS

Abstract: The subject matter described herein is directed to methods of applying bioceramic compositions using thermal energetic methods, and articles made by such methods.

Classifications:

International (IPC 8-9): A61K33/06 B05D5/10 B32B27/14 C01F7/02 C23C14/46 C23C16/46 (Advanced/Invention)

CPC: D06M11/44 D06M11/45 D06M11/46 D06M11/77 D06M11/79 D06M23/02 D06P1/67383 D06P5/003 B32B5/024 B32B5/16 B32B7/12 B32B9/047 B32B15/14 B32B2255/02 B32B2255/205 B32B2262/101 B32B2437/00 D06M23/16



Family:

Publication number	Publication date	Application number	Application date
TW201720756 A	20170616	TW20160130073	20160914
WO17048786 A1	20170323	WO2016US51644	20160914

Priority:

US20150218448P 20150914

Probable Assignee: MULTIPLE ENERGY TECH LLC

Assignee(s): (std): MULTIPLE ENERGY TECH LLC

Assignee(s): MULTIPLE ENERGY TECHNOLOGIES LLC

Inventor(s): (std): CIDRAL FILHO FRANCISCO JOSE ; MIDTTUN STEVEN ; VISSMAN SHANNON

Agent(s): BRESNAHAN MATTHEW J

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 IR IS IT JP KE KG KM KN KP KR KW 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 SA 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

Title: METHODS OF SEPARATING IMPURITIES FROM INDUSTRIAL MINERALS USING ELECTROCOAGULATION

Abstract: Source: US2016194223A [EN] Various embodiments disclosed relate to methods of separating impurities from industrial minerals using electrocoagulation and apparatuses for performing the same. In one embodiment, the present invention provides a method of purifying an industrial mineral **composition**. The method can include obtaining or providing an aqueous slurry comprising a mineral **composition** comprising one or more industrial minerals and one or more impurities. The method can include subjecting the aqueous slurry to an electrical current to form at least one coagulation comprising the one or more impurities. The method can include separating at least one of the coagulations from the one or more minerals, providing a purified mineral **composition**.

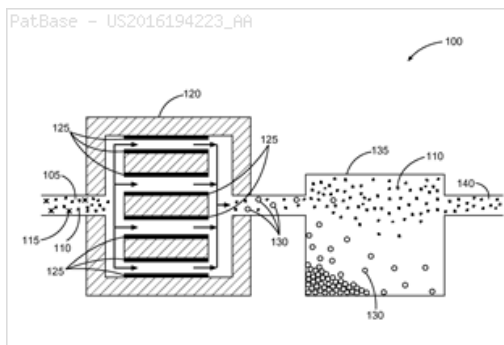
Classifications:

International (IPC 8-9): C02F1/461 C02F1/463 C02F1/52 C22B7/00 C22B9/00 (Advanced/Invention);

B01D21/00 C02F103/10 (Advanced/Non-invention)

CPC: C02F2001/46133 C02F2001/46157 C02F2001/46171 Y02P10/238 B01D21/0009 C02F1/52 C02F1/46104 C02F2101/203 C02F2101/10 C02F2101/20 C02F2101/206 C02F2101/22 C02F2201/46105 C02F1/463 C02F2103/10 C09C1/00

US: 204/666 205/742



Family:

Publication number	Publication date	Application number	Application date
AU2014334657 AA	20150423	AU20140334657	20141013
AU2014334657 BB	20170629	AU20140334657	20141013
CA2921463 AA	20160212	CA20142921463	20141013
GB201602434 A0	20160330	GB20160002434	20141013
GB2534045 A1	20160713	GB20160002434	20141013
US2016194223 AA	20160707	US20140910594	20141013
WO15057575 A1	20150423	WO2014US60279	20141013

Priority:

US20130890995P 20131015 US20140910594 20141013 WO2014US60279 20141013

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC ; WATER TECTONICS INC

Assignee(s): STONE SHANTEL J ; NIELSEN BRYAN ; HALLIBURTON ENERGY SERVICES INC AND WATER TECTONICS INC ; LANDIS CHARLES

Inventor(s): (std): BRYAN NIELSEN ; CHARLES LANDIS ; LANDIS CHARLES ; NIELSEN BRYAN ; SHANTEL J STONE ; STONE SHANTEL J

Agent(s): FB RICE; FB RICE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MADDEN ROBERT B ET AL

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 IR 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 SA 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

Title: COSMETIC **COMPOSITION** CONTAINING A DISPERSION OF POLYMER PARTICLES AND MINERAL FILLERS

Abstract: Source: US2015147364A [EN] A cosmetic **composition** is described that includes particles of a polymeric **composition** that includes a polymer matrix and one or a plurality of mineral filler(s), uniformly dispersed in the polymer matrix, having properties of absorption and/or emission in the far infrared region ranging from 2 micro m to 20 micro m. The particles of the polymeric **composition** can be dispersed in a carrier fluid including water and/or one or a plurality of organic fluids. The **composition** is, for example, intended to prevent or reduce the signs of skin aging.

Classifications:

International (IPC 8-9): A61K8/02 A61K8/04 A61K8/19 A61K8/26 A61K8/29 A61K8/34 A61K8/64 A61K8/72 A61K8/88 A61K8/92 A61K8/96 A61Q19/00 A61Q19/08 (Advanced/Invention)

CPC: A61K8/965 A61K8/04 A61Q19/00 A61K2800/654 A61K8/0283 A61K8/19 A61K8/29 A61K8/88 A61K2800/412 A61Q19/08 A61K8/26

US: 424/401 424/617

Family:

Publication number	Publication date	Application number	Application date
BR112014028878 A2	20170808	BR20141128878	20130521
CN104394828 A	20150304	CN201380033393	20130521
CN104394828 B	20170208	CN201380033393	20130521
EP2852372 A2	20150401	EP20130730317	20130521
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US2015147364 AA	20150528	US20130401925	20130521
US9492373 BB	20161115	US20130401925	20130521
WO13175286 A2	20131128	WO2013IB00989	20130521
WO13175286 A3	20141106	WO2013IB00989	20130521

Priority:

FR20120054657 20120522 WO2013IB00989 20130521

Probable Assignee: RHODIA POLIAMIDA E ESPECIALIDADES LTDA

Assignee(s): (std): RHODIA POLIAMIDA E ESPEC LTDA ; RHODIA POLIAMIDA E ESPECIALIDA

Assignee(s): RHODIA POLIAMIDA E ESPECIALIDADES LTDA

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Inventor(s): TARCIS CORDEIRO BASTOS ; THOMAS GONZAGA CANOVA ; GABRIEL GORESCU

Agent(s): CASALONGA; CASALONGA AND ASSOCIES; DENTONS US LLP

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 LI 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

Title: MEDICAL DEVICES CONTAINING **SILICATE** AND CARBON PARTICLES

Abstract: Source: US2009149948A [EN] According to one aspect of the present invention, implantable and insertable medical devices are provided which contain one or more particle-containing regions that comprise **silicate** particles and carbon particles.

Classifications:

International (IPC 8-9): A61F2/82 A61L29/00 A61L29/02 A61L29/10 A61L29/12 A61L29/16 A61L31/00 A61L31/02 A61L31/08 A61L31/12 A61L31/16 A61M25/00 A61M25/10 (Advanced/Invention); A61F2/82 A61L29/00 A61L31/02 A61L31/12 A61L31/14 A61M25/00 A61M25/10 (Core/Invention)

CPC: A61L29/02 A61L29/103 A61L29/126 A61L29/16 A61L31/02 A61L31/024 A61L31/026 A61L31/084 A61L31/126 A61L31/16 A61L2300/416

European: A61L29/02 A61L29/10A A61L29/12D A61L29/16 A61L31/02 A61L31/02D A61L31/02F A61L31/08B2 A61L31/12D2 A61L31/16 K61L300/416

US: 604/523 604/96.01 623/1.1 623/1.42 977/742

PatBase - US2009149948_AA

Patent Application Publication

Jun. 11, 2009

US 2009/0149948 A1

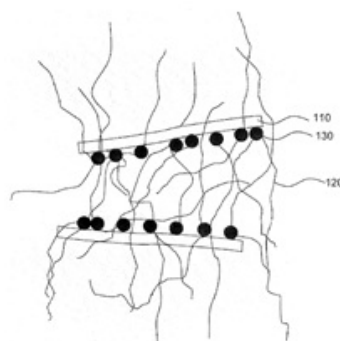


Fig. 1 (Prior Art)

Family:

Publication number	Publication date	Application number	Application date
DE602008035808 D1	20150122	DE200860035808T	20080905
EP2197508 A2	20100623	EP20080829840	20080905
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EP2842582 A2	20150304	EP20140194086	20080905
EP2842582 A3	20150826	EP20140194086	20080905
JP2010537793 T2	20101209	JP20100524199T	20080905
US2009149948 AA	20090611	US20080205647	20080905
US8480729 BB	20130709	US20080205647	20080905
WO09033082 A2	20090312	WO2008US75475	20080905
WO09033082 A3	20100128	WO2008US75475	20080905

Priority:

EP20080829840 20080905 US20070970485P 20070906 US20080205647 20080905
WO2008US75475 20080905

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): ATANASOSKA LILIANA ; BOSTON SCIENCE SCIMED INC ; BOSTON SCIENT LTD ; BOSTON SCIENT SCIMED INC ; CHEN JOHN JIANHUA ; WEBER JAN ; HORN DANIEL J

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Inventor(s): (std): ATANASOSKA LILIANA ; CHEN JOHN JIANHUA ; HORN DANIEL J ; WEBER JAN

Inventor(s): HORN DANIEL J SHOREVIEW ; CHEN JOHN JIANHUA PLYMOUTH ; ATANASOSKA LILIANA EDINA

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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 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 LI 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHODS FOR RECHARGING NANOPARTICLE-TREATED BEDS

Abstract: Source: US2009266765A [EN] Nanoparticle-treated particle packs, such as sand beds, may effectively filter and purify liquids such as waste water. Proppant beds treated with nanoparticles may fixate or reduce fines migration therethrough. When tiny contaminant particles or fines in these fluids flow through the nanoparticle-treated bed or pack, the nanoparticles will capture and hold the tiny contaminant or fines particles within the pack due to the nanoparticles' surface forces, including, but not necessarily limited to van der Waals and electrostatic forces. Nanoparticle-treated beds or packs may be recharged by contacting the bed with an inorganic acid (but not hydrofluoric acid) or an organic acid, and optionally followed by subsequent treatment with hydrofluoric acid. This treating substantially removes the nanoparticles and the fine particulates that have been removed from a fluid (e.g. wastewater being treated, produced fluids in a formation, etc.). The particle pack may then be re-treated or recharged with nanoparticles.

Classifications:

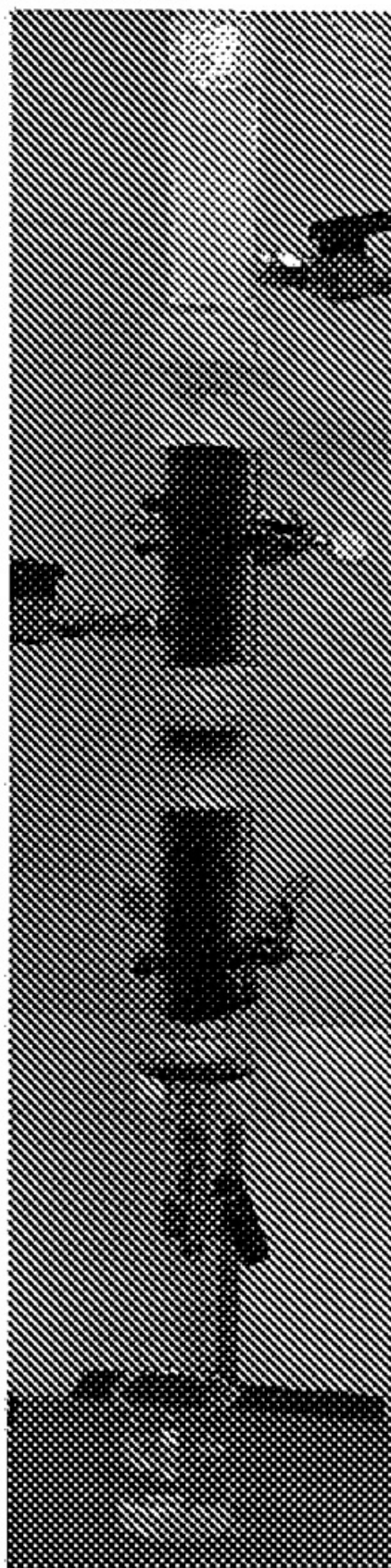
International (IPC 8-9): B01D15/00 B01D24/00 B01D24/10 B01D24/46 B01D35/06 B01D39/20 B01J20/02 B01J20/04 B01J20/06 B01J20/08 B01J20/28 B01J20/32 B01J20/34 B32B5/16 B82Y30/00 C02F1/00 C02F1/28 C02F1/42 C02F1/58 E21B43/00 E21B43/02 E21B43/27 E21B43/34 (Advanced/Invention); B01D24/02 B01J20/04 B32B5/16 C02F1/28 C02F1/42 (Core/Invention)

CPC: C09K8/80 C09K8/665 C09K8/70 C09K8/805 C09K2208/10 C02F2101/006 C02F2101/103 C02F2101/20 C02F2303/18 B01J20/205 B01J20/3408 B01J20/3416 B01J20/12 B01J20/18 B01J20/20 C02F1/281 C02F2305/08 B01J20/0211 B01J20/0244 B01J20/041 B01J20/06 B01J20/08 B01J20/28004 B01J20/28007 B01J20/3204 B01J20/3236 B01J20/3289 B01J20/3433 B01J20/3475 B01J2220/46 B01J2220/66 B82Y30/00 C02F1/001 Y10T428/25 Y10T428/252 Y10T428/256 Y10T428/258 Y10T428/259 B01J20/22 B01J20/3425 C02F2101/32 C02F1/288

European: B01J20/02B16B B01J20/02B4 B01J20/04B B01J20/06 B01J20/08 B01J20/12 B01J20/18 B01J20/20 B01J20/28B4 B01J20/28B4D B01J20/32B4 B01J20/32F16 B01J20/32F4D B01J20/34 B01J20/34P B82Y30/00 C02F1/28L C09K8/66B C09K8/70 C09K8/80 C09K8/80B L01J220/46 L01J220/66 M02F1/00D M02F1/28B M02F101/00R M02F101/10B M02F101/20 M02F305/08 M09K208/10

US: 166/266 166/267 166/276 166/278 166/279 166/280.2 166/307 166/308.3 166/310 166/311 210/670 210/679 210/684 210/777 210/792 210/807 428/323 428/323S 428/325 428/325S 428/328 428/328S 428/330 428/330S 428/331 428/331S 977/773 977/773S 977/810 977/810S 977/903 977/903S

PatBase - US2009266765_AA



Family:

Publication number	Publication date	Application number	Application date
AU2010339708 AA	20110714	AU20100339708	20101221
AU2010339708 BB	20140904	AU20100339708	20101221
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CA2722283 AA	20091105	CA20092722283	20090415
CA2781564 AA	20110714	CA20102781564	20101221
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CN102036919 A	20110427	CN200980115419	20090415
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EG26340 A	20130819	EG20090081249	20090819
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MX2012006572 A1	20120628	MX20120006572	20101221
NZ600575 A	20130830	NZ20100600575	20101221
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US2011162837 AA	20110707	US20110986451	20110107
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US8226830 BB	20120724	US20080111361	20080429
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US8567502 BB	20131029	US20110986451	20110107
WO09134619 A2	20091105	WO2009US40597	20090415
WO09134619 A3	20100225	WO2009US40597	20090415
WO11084776 A2	20110714	WO2010US61469	20101221
WO11084776 A3	20111117	WO2010US61469	20101221
WO12094110 A2	20120712	WO2011US64804	20111214
WO12094110 A3	20130110	WO2011US64804	20111214

Priority:

US20040570601P	20040513	US20050125465	20050510	US20070679018	20070226
US20060845916P	20060920	US20070755581	20070530	US20060815693P	20060622
US20080111361	20080429	US20080195995	20080821	US20100766364	20100423
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US20070849820	20070904	US20090288761P	20091221	WO2009US40597	20090415
US20100971557	20101217	US20110986451	20110107	WO2010US61469	20101221

Probable Assignee: BAKER HUGHES INC**Assignee(s):** (std): CREWS JAMES B ; HUANG MIN ; HUANG TIANPING ; O MALLEY EDWARD J ; RICHARD BENNETT M ; WILLINGHAM JOHN ROBERT ; BAKER HUGHES INC**Assignee(s):** BAKER HUGHES INC2100 - 2929 ALLEN PARKWAYHOUSTONTX77019-2118US ; BAKER HUGHES INCORPORATION**Inventor(s):** (std): HUANG MIN ; HUANG TIANPING ; JAMES CREWS B ; JOHN ROBERT WILLINGHAM ; O MALLEY EDWARD J ; CREWS JAMES B ; RICHARD BENNETT M ; TIANPING HUANG ; WILLINGHAM JOHN ROBERT**Inventor(s):** CREWS JAMES BUS ; O'MALLEY EDWARD J ; HUANG TIANPINGUS ; JAMES B CREWS**Agent(s):** FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; HOFFMANN BENJAMIN; HULL JAMES EDWARD; SABA AND CO TMP; MADAN AND SRIRAM PC; MOSSMAN KUMAR AND TYLER PC; DUPHORNE DARIN H; LITTLEFIELD STEPHEN A**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 LI 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

Title: HIGH ABSORPTION MINERALS

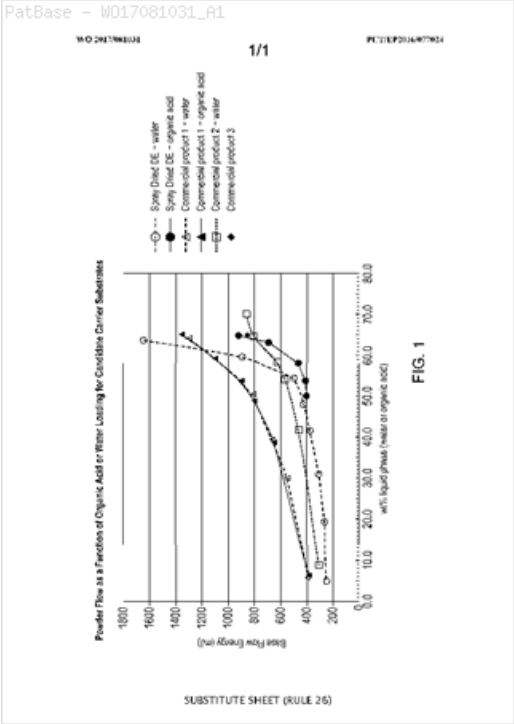
Abstract: Minerals (e.g. **silica**- or **silicate**-based minerals) having good oil- and/or water-absorption capacities and/or good flowability, mineral **composites** comprising first and second mineral components having good oil- and/or water-absorption capacities and/or good flowability, methods of making said minerals and mineral **composites** and the uses of said minerals and mineral **composites**, for example in animal feed or fertilizer **compositions**.

Classifications:

International (IPC 8-9): B01J20/10 B01J20/14 B01J20/28

B01J20/30 (Advanced/Invention)

CPC: B01J20/10 B01J20/106 B01J20/14 B01J20/28011 B01J20/2803 B01J20/3028



Family:

Publication number	Publication date	Application number	Application date
WO17081031 A1	20170518	WO2016EP77024	20161108

Priority:

EP20150306790 20151110

Probable Assignee: IMERYS MINERALS LTD

Assignee(s): (std): IMERYS MINERALS LTD

Inventor(s): (std): LEGRIX ANNABELLE HUGUETTE RENEE ; PAGIS LAURE ; RILEY ANDREW MARK ; WANG BO

Agent(s): WILLIAMSON CATHERINE

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 DJ 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 IR IS IT JP KE KG KM KN KP KR KW 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 SA 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

Title: BATTERY, ELECTROLYTE LAYER, BATTERY PACK, ELECTRONIC APPARATUS, ELECTRIC VEHICLE, POWER STORAGE DEVICE, AND ELECTRIC POWER SYSTEM

Abstract: Source: US2016043429A [EN] A gel electrolyte layer is provided between a positive electrode and a second electrode. The gel electrolyte layer is a layer containing particles, a resin material, and a polymer compound for retaining the resin material, and having a heat capacity per unit area of 0.0001 J/Kcm² or more and a heat capacity per unit volume of 3.0 J/Kcm³ or less.

Classifications:

International (IPC 8-9): B60L11/18 H01M10/052 H01M10/0525

H01M10/056 H01M10/0562 H01M10/0565 H01M10/44 H01M2/10

H01M2/16 H01M2/18 H01M4/38 H02J7/00 (Advanced/Invention);

H01M2/16 H01M2/18 (Advanced/Non-invention)

CPC: H01M10/0562 Y02T10/7011 H01M2/1646 H01M2/18

H01M10/052 H01M2/1016 H01M4/38 H01M2220/20 H01M2300/0082

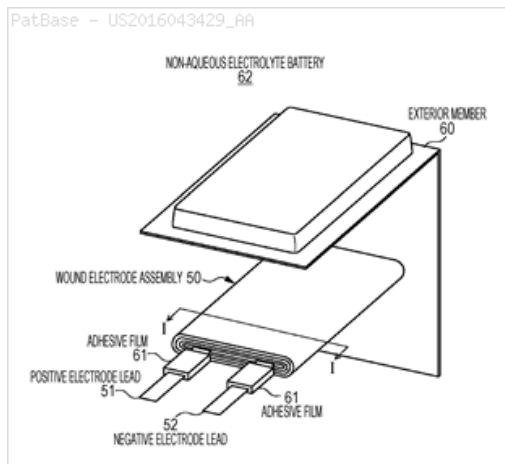
H01M10/0525 B60L11/1851 H02J7/0068 H01M2300/0085

H01M2300/0025 H01M2300/0065 H01M2220/30 H01M10/056

H01M10/0565 Y02E60/122

US: 320/107 429/188 429/209 429/246 429/300 429/302 429/304

429/320 429/322 701/22



Family:

Publication number	Publication date	Application number	Application date
CN105051963 A	20151111	CN201480014519	20140221
CN105051963 B	20171013	CN201480014519	20140221
EP2978060 A1	20160127	EP20140769877	20140221
EP2978060 A4	20161102	EP20140769877	20140221
JP2014207217 A2	20141030	JP20130232295	20131108
KR20150132128 A	20151125	KR20157024004	20140221
US2016043429 AA	20160211	US20140777346	20140221
WO14147955 A1	20140925	WO2014JP00899	20140221

Priority:

JP20130057330 20130319 JP20130232295 20131108 WO2014JP00899 20140221

Probable Assignee: SONY CORP

Assignee(s): (std): MURATA MANUFACTURING CO ; SONY CORP

Assignee(s): TOHOKU MURATA MFG CO LTD ; MURATA MFG CO LTD

Inventor(s): (std): HATTA KAZUHITO ; HATTA KAZUTO ; KAGAMI KEIICHI ; KOGA KEIZO ; ONO TOSHITSUGU ; SHIMOSAKA NOBUAKI

Agent(s): WITTE WELLER AND PARTNER PATENTANWALTE MBB; SUGIURA MASATOMO; SUGIURA TAKUMA; SUGIURA MASATOMO ET AL

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 IR IS IT KE KG KM KN KP KR KZ LA LC LI 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 SA 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

Title: SALINE BATTERY

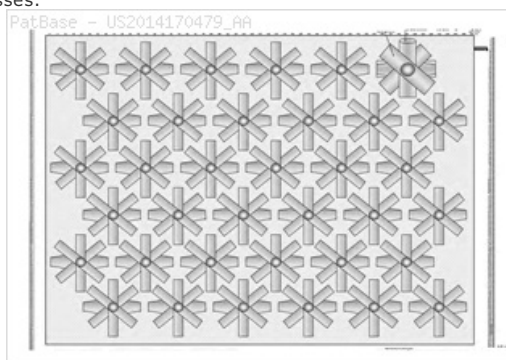
Abstract: Source: US2014170479A [EN] Saline battery concepts and method of fabrication are disclosed. The battery includes a base structure having electrode alloys. An inter-connective matrix is formed between the electrode alloys. The cathode and anode side are integrated within the base structure to exhibit a voltage pyramid. A high amperage output is configured to have a low gain in resistance and to have a minimized loss across the inter-connective matrix between the electrode alloys to provide a synergistic gain in excess of entropic losses.

Classifications:

International (IPC 8-9): H01M10/24 H01M10/36 H01M2/32 H01M4/04 H01M4/36 H01M4/38 H01M4/62 (Advanced/Invention)

CPC: Y10T29/49108 H01M2/0257 H01M4/625 H01M10/54 Y02W30/84 H01M4/0471 H01M4/0402 H01M10/24 H01M4/366 H01M4/38 H01M10/36 H01M2300/0014

US: 29/623.1 427/126.2 429/149 429/199 429/218.1 429/220 429/221 429/224 429/229 429/231.5 429/231.6 429/231.8



Family:

Publication number	Publication date	Application number	Application date
US2014170479 AA	20140619	US20130842736	20130315
US2015311567 AA	20151029	US20130652254	20131216
WO14093974 A1	20140619	WO2013US75443	20131216

Priority:

US20120737256P 20121214 US20130652254 20131216 US20130842736 20130315
WO2013US75443 20131216

Probable Assignee: TODOROF BILL

Assignee(s): (std): TODOROF BILL

Inventor(s): (std): TODOROF BILL

Agent(s): KENNEDY JONATHAN L ET AL

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 IR 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 SA 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

Title: ARTIFICIALLY PRODUCED, INTENSE INFRARED RADIATION EMITTING **CERAMIC COMPOSITES**

Abstract: The subject of the invention is the procedure for production of intense infrared radiation emitting **composite ceramics**, in which: a) we homogenize 31-41 **weight** percent of kaolin, 15-27 **weight** percent of sawdust, 0-1.6 **weight** percent of iron(III)-**oxide**, 0-2.60 **weight** percent of titanium-dioxide and 27-46 **weight** percent of lignin at room temperature, whereby we will obtain a paste; b) the paste is extruded into rods, then dried, whereby dry rods will be obtained; c) the dried rods are treated in oxygen-free inert gas atmosphere in two steps: first at 400-650 degrees centigrade whereby we will obtain baked rods; d) the baked rods are cooled in two stages, whereby we will receive cold rods; e) the cold rods are ground in several stages to average particle size of 2-5 pm, which will give us a **composite ceramics** powder. Further on, the subject of the invention is the procedure for production of intense infrared radiation emitting **composite ceramics**, where instead of kaolin **tourmaline** is used. Also, the subject of the invention is the intense infrared radiation emitting **composite ceramics** that is produced with our methods, and its application in infrared radiant textile products, infrared emitting hygiene products and in human medicine.

Classifications:

International (IPC 8-9): A61F7/03 C01G23/047 C01G49/06

C04B18/26 C04B35/10 C07G1/00 C08H7/00

C09K11/00 (Advanced/Invention)

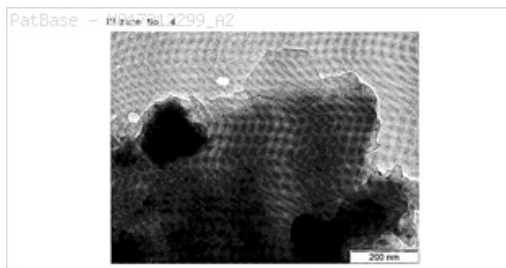
CPC: C04B35/62209 C04B33/1324 C04B35/16 C04B35/46

C04B35/462 C04B35/6262 C04B2235/3232 C04B2235/3272

C04B2235/3409 C04B2235/349 C04B2235/48 C04B2235/6021

C04B2235/606 C04B2235/6562 C04B2235/6565 C04B2235/6567

C04B2235/658 C04B2235/661 C04B2235/80



Family:

Publication number	Publication date	Application number	Application date
WO17212299 A2	20171214	WO2017HU00036	20170602
WO17212299 A3	20180222	WO2017HU00036	20170602

Priority:

HU20160000385 20160607

Probable Assignee: KALMAR SANDOR

Assignee(s): (std): KALMAR SANDOR ; KUNFALVI GABOR

Inventor(s): (std): KALMAR SANDOR ; KUNFALVI GABOR

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 DJ 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 IR IS IT JP KE KG KH KM KN KP KR KW 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 SA 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

Title: MICA CONDUCTIVE FLAKES

Abstract: Source: GB2115396A [EN] A flowable conductive **composition** comprises mica flakes coated with conductive metal eg silver, and an organic binder. An electroconductive element comprises mica flakes coated with conductive metal embedded in a matrix of organic material. The electroconductive element is useful, for example, as a termination element for capacitors, as an internal conductive element in capacitors of the type used in thick- film technology applications, as an element for dissipation of electrostatic charge, or as electromagnetic shielding.

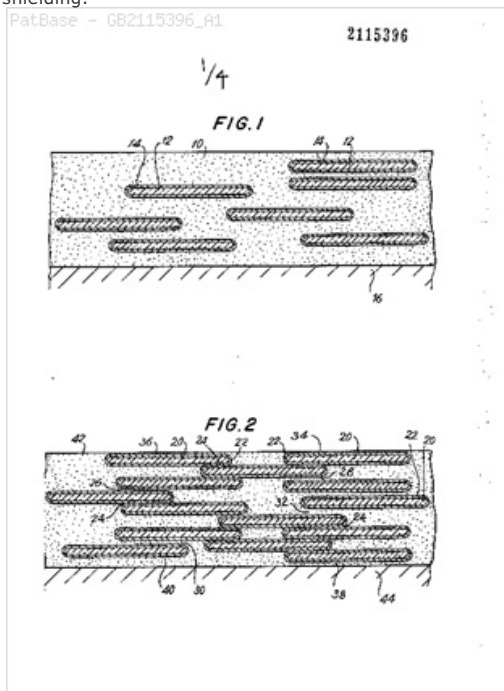
Classifications:

International (IPC 8-9): C04B20/10 C04B26/06 C08K9/00 C08K9/02 C08L1/00 C08L101/00 C08L23/00 C08L27/00 C08L33/00 C08L33/02 C08L67/00 C08L77/00 C09C1/00 C09C1/40 C09D5/24 H01B1/20 H01B1/22 H01G4/008 H01G4/12 H01G4/228 H01G4/232 H05K7/20 H05K9/00 (Advanced/Invention); C04B20/00 C04B26/00 C08K9/00 C08L1/00 C08L101/00 C08L23/00 C08L27/00 C08L33/00 C08L67/00 C08L77/00 C09C1/00 C09C1/40 C09D5/24 H01B1/22 H01G4/008 H01G4/228 H05K7/20 H05K9/00 (Core/Invention)

International (IPC 1-7): C04B41/14 C08K9/00 C08K9/02 C09C1/00 H01B1/20 H01B1/22 H01B5/14 H01B5/16 H01G1/01 H01G4/12 H05K9/00

CPC: C09D7/62 C09D7/70 H01G4/008 C04B20/1055 C04B26/06 C08K3/36 C08K9/02 C09D5/24 C09D5/32 H01B1/22 H01G4/228 H01G4/232 H05K7/20 H05K9/0083

European: C04B20/10F C04B26/06 C09D5/24 C09D5/32 C09D7/12D2B C09D7/12S H01B1/22 H01G1/01 H01G1/14 H01G1/147 H01G4/008 H01G4/228 H01G4/232 H05K7/20 H05K9/00B1 H05K9/00M4B M08K3/36 M08K9/02



Family:

Publication number	Publication date	Application number	Application date
CA1254330 A1	19890516	CA19820415495	19821112
DE3302552 A1	19830818	DE19833302552	19830126
FR2521338 A1	19830812	FR19830002163	19830208
GB2115396 A1	19830907	GB19830001248	19830118
GB2115396 B2	19850403	GB19830001248	19830118
GB8301248 A0	19830216	GB19830001248	19830118
JP1693279 C3	19920917	JP19820235037	19821223
JP3045482 B4	19910711	JP19820235037	19821223
JP58161205 A2	19830924	JP19820235037	19821223

Priority:

CA19820415495 19821112 US19820346648 19820208

Probable Assignee: POTTERS INDUSTRIES INC

Assignee(s): (std): POTSUTAASU IND INC ; POTTERS IND INC ; POTTERS INDUSTRIES INC

Assignee(s): GOETZ KENNETH ; HOTSUTAASU IND INC

Inventor(s): (std): GOETZ KENNETH ; GOETZ KENNETH E ; KENESU II GOTSUTSU

Inventor(s): KENNETH E GOETZ

Agent(s): RIDOUT AND MAYBEE LLP

Title: PROCESS FOR THE SEPARATION OF MINERALS BY FLOTATION

Abstract: Source: US5047144A [EN] The present invention provides a process for the separation of minerals by flotation in the presence of activators and suppressors. Activators are cation-active condensation products and suppressors are anion-active products of aminoplast formers, formaldehyde and amines, ammonium salts, acids or a sulphite, in combination with either an anion-active or cation-active tensides.

Classifications:

International (IPC 8-9): B03D1/004 B03D1/01 B03D1/012

B03D1/016 (Advanced/Invention);

B03D1/004 (Core/Invention);

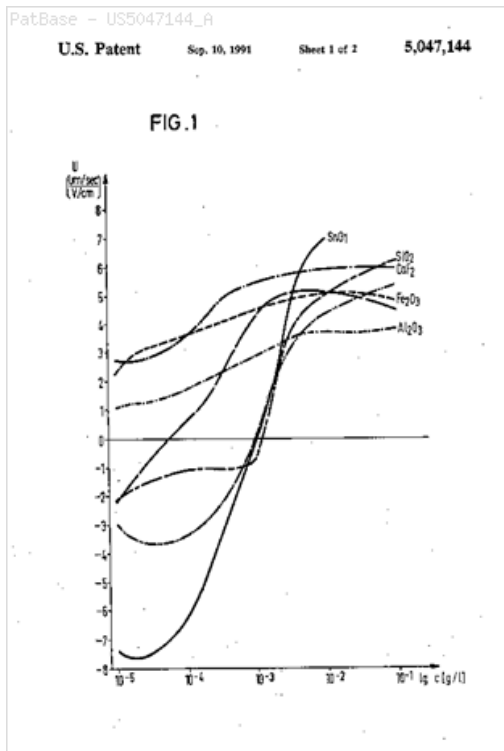
B03D (Subclass/Invention)

International (IPC 1-7): B03D1/00 B03D1/001 B03D1/02 B03D1/06 B03D1/12 B03D1/14 B03D101/00 C11D10/00

CPC: B03D1/012 B03D1/01 B03D1/016 B03D2201/007 B03D2201/02 B03D2203/04 B03D2203/08 B03D1/002

European: B03D1/004 B03D1/01 B03D1/012 B03D1/016

US: 209/166 209/167 252/61



Family:

Publication number	Publication date	Application number	Application date
AU198657628 A1	19861127	AU19860057628	19860521
AU577467 B2	19880922	AU19860057628	19860521
DE3615385 A1	19861127	DE19863615385	19860507
DE3615385 C2	19930311	DE19863615385	19860507
FR2598335 A1	19871113	FR19870003316	19870311
GB2175226 A1	19861126	GB19860012352	19860521
GB2175226 B2	19880928	GB19860012352	19860521
GB8612352 A0	19860625	GB19860012352	19860521
SE465660 B	19911014	SE19860002267	19860520
SE465660 C	19920206	SE19860002267	19860520
SE8602267 A	19861123	SE19860002267	19860520
SE8602267 A0	19860520	SE19860002267	19860520
SE8602267 L	19861123	SE19860002267	19860520
US5047144 A	19910910	US19890412596	19890926
ZA8603823 A	19870128	ZA19860003823	19860522

Priority:

DE19853518279 19850522 DE19863615385 19860507 US19880170060 19880315

Probable Assignee: SUEDEDEUTSCHE KALKSTICKSTOFF

Assignee(s): (std): SUEDEDEUTSCHE KALKSTICKSTOFF

Assignee(s): SKW TROSTBERG AKTIENGESELLSCHAFT ; SKW TROSTBERG 8223 TROSTBERG DE AG ; SKW TROSTBERG A G ; SKW TROSTBERG AG ; SKW TROSTBERG AG 8223 TROSTBERG DE

Inventor(s): (std): MICHAUD DR HORST ; MICHAUD H ; PROF BOHNSLAV DOBIAS DR ; MICHAUD HORST DR ; MICHAUD HORST ; DOBIAS PROF DR BOHNSLAV ; DOBIAS B ; BOHNSLAV DOBIAS PROF DR ; DOBIAS BOHNSLAV ; SEEHOLZER DR JOSEF ; SEEHOLZER J ; SEEHOLZER JOSEF DR ; SEEHOLZER JOSEF

Inventor(s): SEEHOLZER JOSEF DR 8223 TROSTBERG DE ; 1 B DOBIAS ; 2 H MICHAUD ; BOHNSLAV DOBIAS HORST MICHAUD ET JOSEF SEEHOLZER ; BOHNSLAV DOBIAS ; 3 J SEEHOLZER ; B DOBIAS ; DR HORST MICHAUD ; BOHNSLAV DOBIAS PROF DR 8400 REGENSBURG DE ; DOBIAS BOHNSLAV PROF DR ; BOHNSLAV DOBIAS PROFDR ; HORST MICHAUD DR ; JOSEF SEEHOLZER DR ; PROF DR BOHNSLAV DOBIAS ; DR JOSEF SEEHOLZER ; JOSEF SEEHOLZER ; HORST MICHAUD ; J SEEHOLZER ; H MICHAUD

Agent(s): FB RICE; FB RICE PTY LTD

Title: ARTICLE INCLUDING INTUMESCENT COATING, PROCESS FOR FORMING AND USE OF SAME

Abstract: Source: US2015017856A [EN] An article includes a substrate and an intumescent coating to form an intumescent product in response to heating the article. The intumescent coating is disposed on the substrate and includes a primary intumescent precursor and a layered material that includes a **silicate** mineral, a layered double hydroxide, or a combination thereof. The primary intumescent precursor includes a carbohydrate polymer. A process for forming an article includes forming a liquid **composition** by disposing in a solvent a primary intumescent precursor and a layered material, contacting a substrate with the liquid **composition**, and forming an intumescent coating on the substrate to form the article.

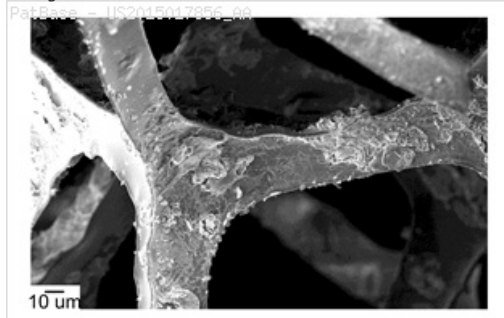
Classifications:

International (IPC 8-9): C09D5/18 (Advanced/Invention)

CPC: C09D5/185 Y10T428/256 Y10T428/259 Y10T428/249991

Y10T442/2648 C08G2101/00 C09D103/02 C09D105/00

US: 252/606 428/319.3 428/328 428/331 442/138



Family:

Publication number	Publication date	Application number	Application date
US2015017856 AA	20150115	US20140497951	20140926

Priority:

US20140033780P 20140806 US20140497951 20140926

Probable Assignee: NAT INST OF STANDARDS AND TECH

Assignee(s): (std): NAT INST OF STANDARDS AND TECH

Assignee(s): NATIONAL INST OF STANDARDS AND TECHNOLOGY ; SECRETARY OF COMMERCE AS US GOV

Inventor(s): (std): DAVIS RICK DOWELL ; LI YU CHIN

Title: Method of making pseudowollastonite clinker with the rotary kiln

Abstract: Source: US3381064A [EN] (Claim 1) 1. A method for the preparation of pseudowollastonite clinker which comprises preparing a raw mixture powder 53 consisting of a limy raw material composed at least of one matter selected from limestone, quick lime, slaked lime and wollastonite and of a silicic raw material composed at least of one matter selected from quartz, cristobalite, tridymite and amorphous silica, together with at least one matter selected from those containing at least one element of U, Na, K, Ba, Pb, Zn, Ti, Al, Fe, B and P as a flux, so that the molecular ratio of CaO/SiO₂ the produced clinker is in the range of 0.5-1.0, forming it into compact grains and sintering the compact grains by using the rotary kiln at a temperature in the range of 1250°-1470° C.

Classifications:

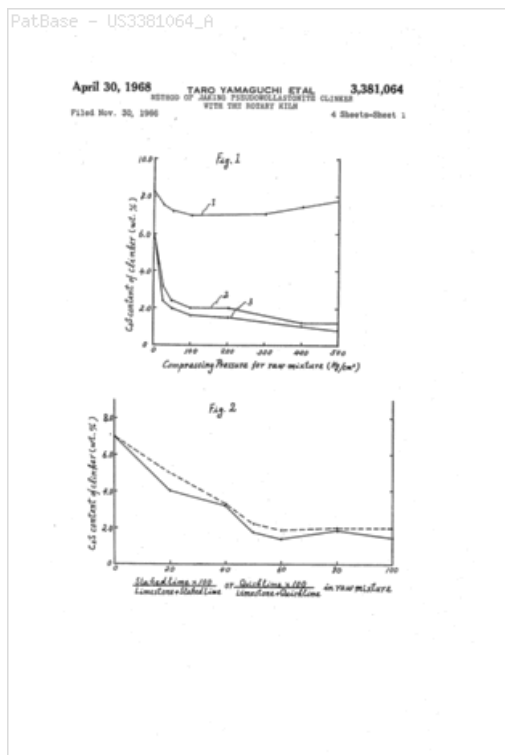
International (IPC 8-9): C04B35/16 (Advanced/Invention)

International (IPC 1-7): C04B35/14

CPC: C04B35/16

European: C04B35/16

US: 106/753 106/764 106/766 263/53



Family:

Publication number	Publication date	Application number	Application date
US3381064 A	19680430	US19660598020	19661130

Priority:

US19660598020 19661130

Probable Assignee: ONODA CEMENT CO LTD

Assignee(s): (std): ONODA CEMENT CO LTD

Assignee(s): ONODA CEMENT CO

Inventor(s): (std): FUMIKO SHIDO ; SHIDO FUMIKO ; TARO YAMAGUCHI ; YAMAGUCHI TARO

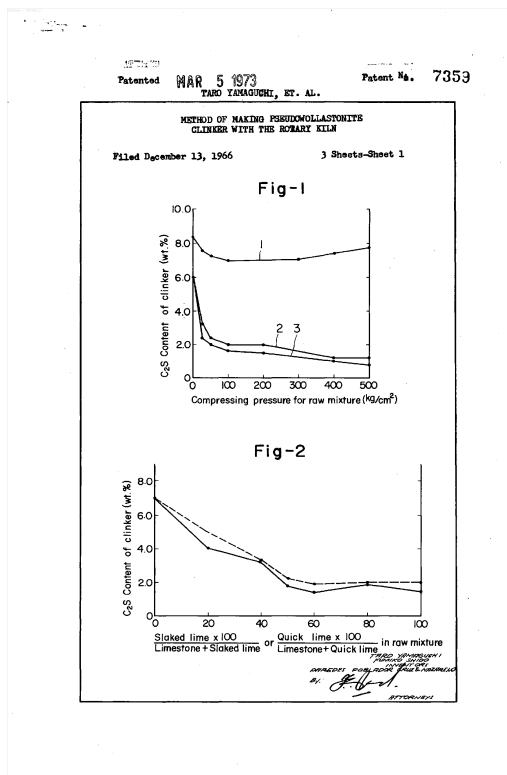
Title: HAIRGROWTH PROMOTING **COMPOSITION**

Abstract: Source: PH7359U [EN] Patented.~A R 5 1913 Pateftt Bo. 7359 PBILIPPINRS ~ATEBT OFFICE -----
... METHOD_ OF MAMG PSEWd'OLLASTONITB CLINKER WITH THE ROTARY IIIJI . TARO YAMAGUCHI and FUMIO SHIDO,
'both of Japan., assignors to ONODA CBKENT COMPANY, LDIITED, ot OnGda, Japan Application tiled December 13, 1966
Serial 10. 78\$9 17 Cl.aiJQ (01. 26~3) Drawing 3 Sheets _J

Classifications:

International (IPC 8-9): A61K31/505 A61K9/06 (Advanced/Invention);
A61K31/505 A61K9/06 (Core/Invention)

International (IPC 1-7): A61K31/505 A61K9/06

**Family:**

Publication number	Publication date	Application number	Application date
PH7359 U	19920410	PH19910011465U	19910318

Priority:

PH19910011465U 19910318

Probable Assignee:

KUROIWA MASATA

Assignee(s): (std):

KUROIWA MASATA

Inventor(s): (std):

KUROIWA MASATA

Title: Method of Making Pseudowollastonite Clinker with the Rotary Kiln

Abstract: Source: GB1174919A [EN] 1. A method for the preparation of pseudowollastonite clinker which comprises preparing a raw mixture powder consisting of a limy raw material composed at least of one matter selected from limestone, quick lime, slaked lime and wollastonite; and of a **silicic** raw material composed at least of one matter selected from quartz, cristobalite, tridymite and amorphous **silica**, together with at least one matter selected from those containing one element or more of Li, Na, K, Ba, Pb, Zn, **Ti**, Zr, Al, Fe, B and P as a flux, so that the molecular **ratio** of CaO/SiO₂ in the raw mixture is from 0.5 to 1.0, forming it into compact grains by granulating or pressing under a pressure higher than kg/cm² and sintering the compact grains by using the rotary kiln at a temperature of 12500-14700 C.

Classifications:

International (IPC 8-9): C04B35/16 (Advanced/Invention)

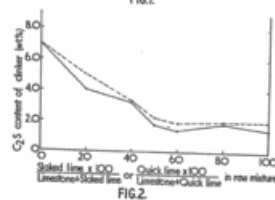
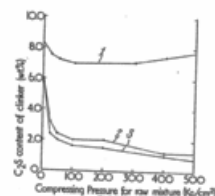
International (IPC 1-7): C04B35/22

CPC: C04B35/16

European: C04B35/16

PatBase - GB1174919_A

111019 COMPLETE SPECIFICATION
2 SHEETS
This drawing is a reproduction of
the Original as a reduced scale
Sheet 1



Family:

Publication number	Publication date	Application number	Application date
GB1174919 A	19691217	GB19660055699	19661213

Priority:

GB19660055699 19661213

Probable Assignee:

ONODA CEMENT CO LTD

Assignee(s): (std):

ONODA CEMENT CO LTD

Assignee(s):

ONODA CEMENT COMPANY LIMITED

Inventor(s): (std):

SHIDO FUMIKO ; YAMAGUCHI TARO

Inventor(s):

FUMIKO SHIDO ; TARO YAMAGUCHI

Title: COLORED POWDERS PREPARED BY A COMBINATION OF TWO THERMAL, CHEMICAL OR IRRADIATION PROCESSES

Abstract: Source: US5908499A [EN] Disclosed is a system of natural colors consisting of thousands of colored powders of mineral origin and of materials in or on which pigments have been applied and, afterwards, submitted to at least one thermal treatment and/or irradiation. These natural colors cover the totality of the visible spectrum and offer a great variety of tones, tints and reflections from white to black, including all the rainbow colors. The powders of this system are obtained by a combination of two mechanical, chemical, thermal and/or physical processes and are used alone or in combination. They are particularly useful to color materials and, more especially those used in the construction and architectural fields.

Classifications:

International (IPC 8-9): B01J19/08 C09C3/00 C09C3/04 (Advanced/Invention);
B01J19/08 C09C3/00 C09C3/04 (Core/Invention)

International (IPC 1-7): C04B14/04

CPC: C09C3/006 B01J19/082 C01P2002/70 C01P2004/80 C09C3/04

European: B01J19/08B2 C09C3/00P C09C3/04

US: 106/287.1 106/400 106/401 106/403 106/415 106/416 106/419 106/425 106/435 106/440 106/450 106/451 106/452 106/453 106/456 106/457 106/458 106/459 106/461 106/464 106/466 106/467 106/470 106/486 523/200

Family:

Publication number	Publication date	Application number	Application date
US5908499 A	19990601	US19960727355	19961008

Priority:

US19960727355 19961008

Probable Assignee: TOURANGEAU PAULETTE

Assignee(s): (std): TOURANGEAU PAULETTE

Inventor(s): (std): TOURANGEAU PAULETTE

Title: PROCESS FOR PREPARING COLORED MINERAL POWDERS BY THERMAL TREATMENT

Abstract: Source: US6022405A [EN] Disclosed is a system of natural colors consisting of thousands of colored powders of mineral origin and of materials in or on which pigments have been applied and, afterwards, submitted to at least one thermal treatment and/or irradiation. These natural colors cover the totality of the visible spectrum and offer a great variety of tones, tints and reflections from white to black, including all the rainbow colors. The powders of this system are obtained by mechanical, chemical, thermal and/or physical processes and are used alone or in combination. They are particularly useful to color materials and, more especially those used in the construction and architectural fields.

Classifications:

International (IPC 8-9): C09C3/00 (Advanced/Invention);
C09C3/00 (Core/Invention)

International (IPC 1-7): C09C1/32

CPC: C09C3/00 C01P2002/70

European: C09C3/00

US: 106/400 106/414

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19960725638 19961008

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