

PatBase - Search results 28 February 2018

Search query (7): fn=(68690580:10 or 68653864:10 or 68596058:10 or 68445313:10 or 68407070:10 or 68401399:10 or 68387127:10 or 68346944:10 or 68339368:10 or 68331893:10 or 68247056:10 or 68246844:10 or 68246821:10 or 68246519:10 or 68245943:10 or 68245743:10 or 68178453:10 or 68167469:10 or 68134651:10 or 68101575:10 or 68095869:10 or 68095075:10 or 68080185:10 or 68010316:10 or 67956545:10 or 67932999:10 or 67882389:10 or 67882140:10 or 67836836:10 or 67792942:10 or 67776120:10 or 67770073:10 or 67768862:10 or 67755405:10 or 67754818:10 or 67753433:10 or 67744737:10 or 67686242:10 or 67592527:10 or 67532438:10 or 67531962:10 or 67511511:10 or 67505471:10 or 67496587:10 or 67457584:10 or 67451314:10 or 67434117:10 or 67385200:10 or 67375356:10 or 67362844:10 or 67356050:10 or 67354634:10 or 67293740:10 or 67280739:10 or 67257190:10 or 67256168:10 or 67255308:10 or 67242849:10 or 67239832:10 or 67238703:10 or 67191862:10 or 67183410:10 or 67180167:10 or 67170105:10 or 67156627:10 or 67150402:10 or 67150365:10 or 67150343:10 or 67150335:10 or 67150334:10 or 67150330:10 or 67150317:10 or 67150304:10 or 67150300:10 or 67150296:10 or 67150293:10 or 67141906:10 or 67141621:10 or 67141131:10 or 67096035:10 or 67081376:10 or 67078904:10 or 67060453:10 or 67019497:10 or 67018159:10 or 66994185:10 or 66943547:10 or 66863959:10 or 66853913:10 or 66821158:10 or 66807033:10 or 66668903:10 or 66666966:10 or 66594804:10 or 66593209:10 or 66592911:10 or 66592256:10 or 66573538:10 or 66544507:10 or 66534715:10)

Results: 100**Search history**

Search PN=(CO16144371) (Results 1)

1:

Search [SP]: *** warning: ocr data - may be incomplete ***** please email the publication number to patbase@rws.com of any affected text for review ***

2: reivindicaciones1. una composicin cementosa, caracterizada porque comprende 40% y 50% de cemento, entre 35% y 45% de slice, y un aditivo slido entre 10 y 20% en donde la slice tiene una granulometra especifica que est en el rangode malla entre 345 y 600 y a la cual se agrega un segundo aditivo. 2. la composicin de acuerdo con la reivindicacin 1, caracterizada porque el segundo aditivo es una composicin liquida que comprende emulsinacrilico estirenada entre un 40 y 50% en peso de la composicin liquida nanoslice policarboxilato entre 5% y 15%, carboximetil celulosa (cmc) en una proporcin de 10 a 30% en peso, ftalato de dibutilo en una proporcin de 5 a 15% como plastificante. 3. la composicin cementosa de acuerdo con la reivindicacin 1, 2, caracterizada porque el cemento se selecciona del grupo que consiste decemento blanco, cal, cemento gris, portland, o mezcla de los mismos. 4. la composicin cementosa de acuerdo con la reivindicacin 1 a 2, caracterizada porque el primer aditivo que es slido que se agrega a la composicin slida comprende cal entre un 1% y 5%, harina de slice con granulometra 600 entre un 1% y 4%, aditivos para pegante con ltex entre 1% y 4%, cemento de fraguado rpido entre 1% y 10%, impermeabilizante en polvo entre un 0.5% y 1% y fibras de polister entre 3% y 5% en donde las cantidades se estipulan en peso con base en la composicin en polvofinal. 5. la composicin de acuerdo con cualquiera de las reivindicaciones anteriores caracterizada porque el segundo aditivo que es liquido, comprende entre un 40% y 50% en peso de emulsin acrlica, nanosilicepolicarboxilato entre 5% y 15%, carboximetil celulosa entre 10% y 30% y ftalato de dibutilo en una proporcin de 5% a 15%. 116. un proceso para la preparacin de una composicin cementosa, caracterizado porque tiene las etapas de: a) medir la mezcla cementosa preliminar en polvo, en donde la medicin se hace por volumen agregando el cemento, la slice y el aditivo en polvo y simultneamente preparar el aditivo liquido que comprende agua; b) agregar la composicin liquida del paso b) a la composicin preliminar en polvo en tres porciones. 7. el proceso de preparacin de una composicin cementosa de acuerdo con la reivindicacin 6, caracterizado porque en el paso b) el aditivo liquido se agrega como sigue: i. la primera porcin se agrega hasta que el aditivo liquido desaparezca en la mezcla resultante. ii. la segunda porcin se adiciona hasta que el agua se integre y se homogenice con la mezcla. iii. la tercera porcin se agrega y se agita hasta que la mezcla tenga fluidez. 8. el proceso de preparacin de una composicin cementosa de acuerdo con la reivindicacin 6, caracterizado porque la primera porcin se agrega en una cantidad de 0.3 a 0.4 partes en volumen en la segunda porcin se adiciona en una cantidad de 0.15 a 0.25 partes en volumen hasta que el agua se integre y se homogenice con la mezcla y la tercera porcin se agrega en una cantidad de 0.4 a 0.5 partes en volumen y se agita hasta que la mezcla tenga fluidez. 12. resumen la presente invencin est dirigida a composiciones cementosas que tienen un aditivo puente, en donde la mezcla contiene cemento convencional, slice con una granulometra especifica, un aditivo que comprende cal, harina de silica, aditivos para pegante, ltex, cemento de fraguado rpido e impermeabilizante en polvo y un fluidificante y resinas acrlicas y fibras de poliestireno. 10. reivindicaciones 1. una composicin cementosa, caracterizada porque comprende 40% y 50% de cemento, entre 35% y 45% de slice, y un aditivo slido entre 10 y 20% en donde la slice tiene una granulometra especifica que est en el rangode malla entre 345 y 600 y a la cual se agrega un segundo aditivo. 2. la composicin de acuerdo con la reivindicacin 1, caracterizada porque el segundo aditivo es una composicin liquida que comprende emulsinacrilico estirenada entre un 40 y 50% en peso de la composicin liquida nanoslice policarboxilato entre 5% y 15%, carboximetil celulosa (cmc) en una proporcin de 10 a 30% en peso, ftalato de dibutilo en una proporcin de 5 a 15% como plastificante. 3. la composicin cementosa de acuerdo con la reivindicacin 1, 2, caracterizada porque el cemento se selecciona del grupo que consiste decemento blanco, cal, cemento gris, portland, o mezcla de los mismos. 4. la composicin cementosa de acuerdo con la reivindicacin 1 a 2, caracterizada porque el primer aditivo que es slido que se agrega a la composicin slida comprende cal entre un 1% y 5%, harina de slice con granulometra 600 entre un 1% y 4%, aditivos para pegante con ltex entre 1% y 4%, cemento de fraguado rpido entre 1% y 10%, impermeabilizante en polvo entre un 0.5% y 1% y fibras de polister entre 3% y 5% en donde las cantidades se estipulan en peso con base en la composicin en polvofinal. 5. la composicin de acuerdo con cualquiera de las reivindicaciones anteriores caracterizada porque el segundo aditivo que es liquido, comprende entre un 40% y 50% en peso de emulsin acrlica, nanosilicepolicarboxilato entre 5% y 15%, carboximetil celulosa entre 10% y 30% y ftalato de dibutilo en una proporcin de 5% a 15%. 116. un proceso para la preparacin de una composicin cementosa, caracterizado porque tiene las etapas de: a) medir la mezcla cementosa preliminar en polvo, en donde la medicin se hace por volumen agregando el cemento, la slice y el aditivo en polvo y simultneamente preparar el aditivo liquido que comprende agua; b) agregar la composicin liquida del paso b) a la composicin preliminar en polvo en tres porciones. 7. el proceso de preparacin de una composicin cementosa de acuerdo con la reivindicacin 6, caracterizado porque en el paso b) el aditivo liquido se agrega como sigue: i. la primera porcin se agrega hasta que el aditivo liquido desaparezca en la mezcla resultante. ii. la segunda porcin se adiciona hasta que el agua se integre y se homogenice con la mezcla. iii. la tercera porcin se agrega y se agita hasta que la mezcla tenga fluidez. 8. el proceso de preparacin de una composicin cementosa de acuerdo con la reivindicacin 6, caracterizado porque la primera porcin se agrega en una cantidad de 0.3 a 0.4 partes en volumen en la segunda porcin se adiciona en una cantidad de 0.15 a 0.25 partes en volumen hasta que el agua se integre y se homogenice con la mezcla y la tercera porcin se agrega en una cantidad de 0.4 a 0.5 partes en volumen y se agita hasta que la mezcla tenga fluidez. cesinel (la) abajo firmante (en adelante el cedente) hector ocampo ceballos en su carcter de inventor /diseador con domicilio en: medelln, colombia por el presente documento declara que cede todos y cada uno de los derechos que le corresponden o puedan corresponderle sobre la siguiente invencin denominada composiciones cementosas y proceso para su preparacin, a: elyte nano tecnologa sas con domicilio en , , colombia (jarret) en prueba de la mutua aceptacin de esta cesin ambas partes cedente y cesionario firman el presente documento, dado y firmado en a los o -idas de 201x xxxxxx /t ttulo: composiciones cementosas y proceso para su preparacin representacin de la empresa elyte nano tecnologa sas, confiero poder amplio y suficiente a la doctora carolina daza montalvo identificada con cdula de ciudadana . nr. 66.783-790 expedida en palmita valle y portadora de la tarjeta profesional. nr. 141.563 del consejo superior de la judicatura, para que en nuestro nombre, solicite, tramite y en general realice todas las gestiones necesarias para la obtencin del registro de la patente titulada t composiciones cementosas y proceso para su preparacin. la apoderada queda facultada para recurrir, recibir, transigir* conciliar, notificarse, desistir, renunciar al derecho y sustituir el presente poder. atentamente, 12 *** warning: ocr data - may be incomplete *** *** please email the publication number to patbase@rws.com of any affected text for review *** 1 claims. a cementitious composition, characterized in that it comprises 40% and 50%, between 35% and 45% of cement silica, and a solid additive between 10 and 20% wherein the silica has a particle size that is in the range of specific mesh between 345 and 600 and to which is added a second additive. 2. the composition according to claim 1, characterized in that the second additive is a liquid composition comprising between 50% and 40% styrenated acrylic emulsion by weight of the liquid composition between 5% and 15% polycarboxylate nanosilice, carboxymethyl cellulose (cmc) in a proportion of 10 to 30% by weight, dibutyl phthalate at a ratio of 5 to 15% as a plasticizer. 3. the cementitious composition according to claim 1 or 2, characterized in that the cement is selected from the group consisting of white cement, lime, gray cement, portland, or mixture thereof. 4. the cementitious composition according to claim 1 to 2, characterized in that the first additive which is solid that is added to the solid composition comprises between a 1% and 5% lime, silica flour with 1% and 4% 600 granulometry between a latex glue between 1% and additives 4%, between 1% and 10% cement powder waterproofing, 1% 0.5% 5% 3% between fibers, and polyester fibers, and wherein the a (Results 0)

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3: patente de invencion tipo de solicitud patente de invencion patente de modelo de utilidad titulo de la invencion cip clasificacin internacional de patentes composiciones cementosas y proceso para su preparacin nombre codigo datos del solicitante nombre: elyte nano tecnologa s.a.s direccion electronica: notificaciones@clarkemodet.com.co direccion: carrera 49 no. 65f 10 domicilio/pais de constitucion: colombia - antioquia - medelln identificacin: ? cedula de ? cedula de ciudadania extranjera ? empresa extranjera ? pasaporte ? gran empresa ? otro ? microempresa ? entidad estatal ? entidades de animo de lucro tipo empresa: ? mediana empresa ? pequena empresa ? personal ? universidades numero: 900909442- solicitantes apellidos - nombres o razon social tipo identificacin 1. elyte nano tecnologas.as ni 900909442 6 datos del inventor nombre: hector ocampo ceballos direccion electronica: notificaciones@clarkemodet.com.co direccion: calle 49dd no. 88- 86 domicilio/pais de constitucion: colombia - antioquia - medelln identificacin: ? cedula de ? cedula de ciudadania extranjera ? empresa extranjera pasaporte s no aplica numero: 7 inventor(es) apellidos -

nombres domicilio 1. ocampo ceballos hector colombia 8 datos inventor(es) pais de residencia departamento/estado ciudad direccion 1. colombia antioquia medellin e/9dd n degrees ' oo-oo 9 datos del representante legal / apoderado nombre: carolina mercedes daza montalvo direccion electronica: notificaciones@clarkemodet. com. co direccion: carrera 11 no. 86-53, piso 6 domicilio/pais de constitucion: colombia - cundinamarca - bogota d.c.identificacion: el cedula de ciudadania ? cedula de extranjeria ? empresa extranjera ? nit ? pasaporte numero: 66783790- presentacion de poder ano de radicacion numero de radicacion 10 declaraciones de prioridad (33) pais de origen ? si h no codigo del pais (31) no. solicitud (32) fecha 1 2 3 11 declaracion sobre uso de recursos geneticos o biologicos declaro que el objeto de la presente solicitud de patente fue obtenido a partir de recursos geneticos o biologicos de los que cualquiera de los paises miembros de la comunidad andina es pais de origen.? si el no nota: en caso afirmativo debiera anexar copia del contrato de acceso de recursos geneticos o productos derivados, o certificado o numero de registro, expedido por la autoridad competente.12 declaracion sobre uso de conocimientos tradicionales declaro que el objeto de la presente solicitud de patente fue obtenido a partir de conocimientos tradicionales de comunidades indigenas, afroamericanas o locales de paises miembros de la comunidad andina.? si el no nota: en caso afirmativo debiera anexar la licencia o autorizacion de uso de conocimiento tradicional, o certificado o numero de registro.13 para publicar a partir de la fecha de publicacion o de la prioridad invocada si es patente de invencion el 6 meses ? 12 meses ? 18 meses ? otro cual: si es patente de modelo de utilidad ? 6 meses ? 12 meses ? otro cual: 14 reivindicaciones numero reivindicaciones: 8 pago reivindicaciones: no 15 reduccion de tasas.declaro que carezco de medios economicos para presentar la solicitud de patente.? si h no nota: en caso de ser persona natural y carcer de medios economicos, y por lo tanto, aplique la reduccion de tasas a que se refiere la resolucion vigente en tarifas, debe firmar la presente solicitud bajo la gravedad de juramento.micro, pequenas y medianas empresas universidades publicas o privadas entidades sin animo de lucro debe aportar los documentos que se indican en el numeral 17 de anexos 16 documentos anexos e3 reivindicaciones e3 descripcion dibujos y/o figuras m resumen e certificado deposito materia biologico e uso de conocimiento tradicional e listado de secuencias e artes finales 12 x 12 cm e cerificado con descuento e3 poderes, si fuere el caso m documento que legalmente pruebe la cesion del inventor al solicitante o a su causante e otros anexos 1 composiciones cementosas y proceso para su preparacion campo de la invencion la presente invencion se relaciona con composiciones cementosas utiles para construccion de estructuras, productos arquitectonicos en concreto, disenos, y de acabado con propiedades mejoradas.resumen la presente invencion esta dirigida a composiciones cementosas que tienen un aditivo puente, en donde la mezcla contiene cemento convencional, silice con una granulometria especifica, un aditivo que comprende cal, harina de silica, aditivos para pegante, latex, cemento de fraguado rapido e impermeabilizante en polvo y un fluidificante y resinas acrilicas y fibras de poliestireno.estado de la tecnica en la actualidad se conocen diversas composiciones cementosas y de concreto que ofrecen caracteristicas de fraguado, por ejemplo, el documento mx2015000834 se relaciona con composiciones cementosas y metodos para preparar y utilizar composiciones cementosas. las composiciones cementosas se caracterizan por la propiedad de una emision de vapor de agua reducida o atenuada de una mezcla cementosa y un concreto formado a partir de la misma.ciertas composiciones cementosas se caracterizan por la propiedad de secado acelerado mientras que aun mantienen una buena funcionalidad.la patente mx2015000834 proporciona ademas metodos para mejorar retencion de agua y el secado de la superficie de concreto, que incluye concreto liviano.dicha invencion ensena que se puede utilizar una sal ionica soluble en agua para secuestrar agua dentro de los poros y tubos capilares de la pasta de cemento y/o agregado liviano poroso. en algunos ejemplos, la sal puede agregarse directamente al concreto o los agregados pueden fusionarse con una solucion de agua-sal para proporcionar agregados porosos tratados que tienen una saturacion de agua y una retencion de agua mejoradas.2 por su parte, el documento us9,102,567 se relaciona con cementos que comprenden una porcion de clinker disenada para su uso con fracciones de materiales cementosos suplementarios (scm). la fraccion de clinker tiene una distribucion de tamano de partcula estrecha con un contenido relativamente alto de silicato tricalcico alto (c3s) comparado con el cemento de portland tradicional.el alto contenido de c3s y la distribucion estrecha de tamano de partcula proporciona una reactividad y un tiempo de curado deseado cuando se combina con uno o mas scms. la fraccion de clinker puede combinarse con una o mas fracciones de scms ultrafinas y/o una o mas fracciones de scms mas gruesas para lograr una distribucion de tamano de partcula deseada. al manipular por ingenieria la quimica y el tamano de partcula de la fraccion de clinker y de la fraccion de scms para que trabajen juntas, los cementos de ingenieria tienen una densidad de empaclado superior, mejor demanda de agua, mejor reactividad, mejor tiempo de curado, mejor resistencia a los sulfatos y desarrollo de fuerza al compararlo con mezclas convencionales de cemento de portland y scms.de otro lado, el documento wo2015/193444 ensena un aglutinante hidraulico que contiene en percent en peso: 20-82 percent de cemento de portland, cuyas particulas tienen un d50 de 2 m a 11 m 15 percent a 56 percent de un aditivo mineral no puzolonico a1, las particulas del cual tienen un d50 de 1 m a 150 m, dicho aditivo seleccionado de roca calcarea, aditivos tales como carbonato de calcio, aditivos de silice tales como cuarzo, aditivos minerales de silice/caliza, pizarra calcinada, zeolitas, ceniza de plantas calcinadas y mezclas de los mismos y de 4 percent a 30 percent de un aditivo mineral puzolonico a2, las particulas del cual tienen un d50 entre 1 y 150 m. la suma de dichos porcentajes esta entre 90 percent y 100 percent.el documento wo2015/193418 se relaciona con una composicion hidraulica novedosa que no es auto-nivelante, de ultra-alto desempeno que puede usarse para producir partes de concreto en un solo paso, independiente de la forma de la seccion transversal de la pieza y sin requerir un paso de ensablaje.en la literatura cientifica tambien se encuentran articulos relacionados con investigaciones sobre composiciones cementosas relacionadas, tal es el caso del documento "estudio comparativo de la adicion de particulas amorfas de nanosilice con diferentes grados de cemento mortero" de palanivelu, r. et al (2015) 3 publicado en internacional journal of applied ceramic technology 12, e14-e22, el cual esta dirigido a un estudio de los efectos de la adicion de particulas de nanosilice amorfa a tres grados de cemento portland. las particulas de nanosilice se utilizan como aditivo parcial del cemento en proporciones de 0,25 0,50 0,75 1,00 y 1,25 percent en peso. los resultados indican que la adicion de nanosilice reduce el tiempo de fraguado y aumenta la resistencia a la compresion y absorcion de agua saturada. ademas, la digestion de cristales de hidroxido de calcio conduce a una disminucion en el tamano de los cristales acumulados en la interfase.en este sentido, la presente invencion a traves de sus composiciones cementosas y el proceso para su preparacion cuya delineacion se hara por medio de la siguiente descripcion, proporciona ventajas relacionadas con la resistencia y dureza de los concretos y con el andaje mecanico. las composiciones cementosas de la invencion mantienen el mismo volumen ya sea antes o despues del fraguado.adicionalmente, los concretos obtenidos con las composiciones de la invencion tiene caracteristicas fisicas mejoradas como por ejemplo, altas resistencias, impermeabilidad gracias a la adecuada formulacion y el control de la granulometria de sus componentes. los concretos obtenidos mediante las composiciones (Results 1)

Search Composition and cement and silica and nanosilica and polycarboxylate and latex and CMC and acrylica and resins and (waterproofing powder), fluidizing, dibutyl phthalate, (Results 0)

Search Composition and cement and silica and nanosilica (Results 64)
5:

Search 4 and polycarboxylate (Results 0)
6:

Search fn=(68690580:10 or 68653864:10 or 68596058:10 or 68445313:10 or 68407070:10 or 68401399:10 or 68387127:10 or 68346944:10 or 68339368:10 or 68331893:10 or 68247056:10 or 68246844:10 or 68246821:10 or 68246519:10 or 68245943:10 or 68245743:10 or 68178453:10 or 68167469:10 or 68134651:10 or 68101575:10 or 68095869:10 or 68095075:10 or 68080185:10 or 68010316:10 or 67956545:10 or 67932999:10 or 67882389:10 or 67882140:10 or 67836836:10 or 67792942:10 or 67776120:10 or 67770073:10 or 67768862:10 or 67755405:10 or 67754818:10 or 67753433:10 or 67744737:10 or 67686242:10 or 67592527:10 or 67532438:10 or 67531962:10 or 67511511:10 or 67505471:10 or 67496587:10 or 67457584:10 or 67451314:10 or 67434117:10 or 67385200:10 or 67375356:10 or 67362844:10 or 67356050:10 or 67354634:10 or 67293740:10 or 67280739:10 or 67257190:10 or 67256168:10 or 67255308:10 or 67242849:10 or 67239832:10 or 67238703:10 or 67191862:10 or 67183410:10 or 67180167:10 or 67170105:10 or 67156627:10 or 67150402:10 or 67150365:10 or 67150343:10 or 67150335:10 or 67150334:10 or 67150330:10 or 67150317:10 or 67150304:10 or 67150300:10 or 67150296:10 or 67150293:10 or 67141906:10 or 67141621:10 or 67141131:10 or 67096035:10 or 67081376:10 or 67078904:10 or 67060453:10 or 67019497:10 or 67018159:10 or 66994185:10 or 66943547:10 or 66863959:10 or 66853913:10 or 66821158:10 or 66807033:10 or 66668903:10 or 66666966:10 or 66594804:10 or 66593209:10 or 66592911:10 or 66592256:10 or 66573538:10 or 66544507:10 or 66534715:10) (Results 100)

Title: ANTI-SCOURING AND WEARABLE CONCRETE FOR WATER CONSERVANCY PROJECT AND PREPARATION METHOD OF CONCRETE

Abstract: Source: CN107010901A The invention discloses anti-scouring and wearable concrete for a water conservancy project and a preparation method of the concrete. The concrete is prepared from ordinary Portland cement, sea-foam stone powder, industrial aluminum sulfate, coal ash, creta, anhydrite, graphite particles, nano-waterborne adhesives, high-strength steel-wire-like fibers, sodium alkyl benzene sulfonate, sulphoaluminate cement clinker, nanocrystal cellulose, 2-bromine-3-nitrotoluene, active exciting agents, sodium carboxymethylcellulose, chippings, silica fume, lauryl sodium sulfate, fluorine-containing additives, 3-cyano-5-fluorine-borophenylic acid, water and inorganic salt water reducers in proportion. The concrete has excellent compactness, wear resistance, anti-scouring and wearable performances and high strength.

Classifications:

International (IPC 8-9): C04B111/20 C04B18/04 C04B18/14 C04B20/00 C04B22/14 C04B24/00 C04B24/16 C04B24/20 C04B24/38 C04B28/04 C04B38/10 (Advanced/Invention); C04B111/20 (Advanced/Non-invention)

CPC: Y02W30/91 Y02W30/94 C04B28/04 C04B18/04 C04B18/146 C04B20/0048 C04B22/143 C04B22/148 C04B24/006 C04B24/16 C04B24/20 C04B24/383 C04B2111/20

Family:

Publication number	Publication date	Application number	Application date
 CN107010901 A	20170804	CN201710329115	20170511

Priority:

CN201710329115 20170511

Probable Assignee: SHANGLUO UNIV

Assignee(s): (std): SHANGLUO UNIV

Inventor(s): (std): LI LI ; ZHAO PEI

Legal status (INPADOC)

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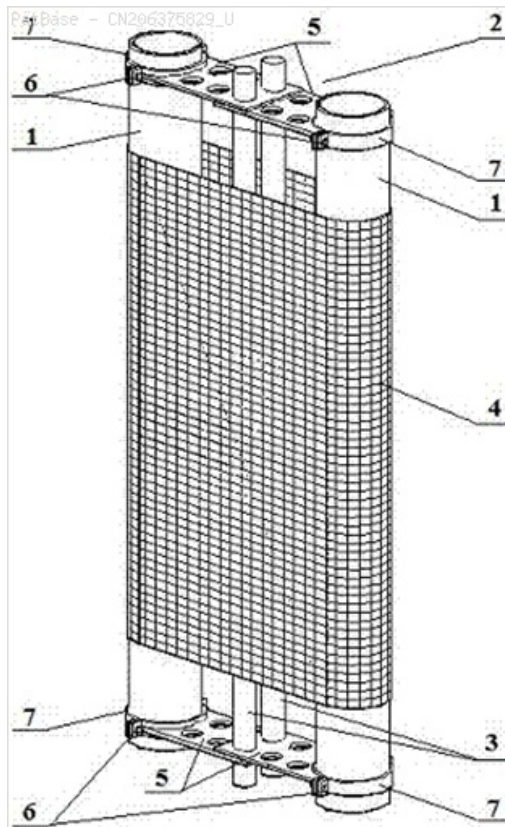
Patent	Date recorded	Event group	Code	Event	Details
CN107010901 A	20170804	LSPB	+	published / reissued	
CN107010901 A	20170804	LSPB	PB01	PUBLICATION	

Title: TELESCOPIC MOULD OF PREPARATION CARBON FIBER

Abstract: Source: CN206375829U The utility model discloses a telescopic mould of preparation carbon fiber, it comprises collet holder and fixing device, collet holder be the thin cylinder of two parallel placements, realize connecting through the fixing device who is located the collet holder both ends, fixing device constitute by semi -circular clamp, positioner, connecting rod and bolt, wherein semi -circular clamp both sides set up bolt hole, the downthehole bolt of having inserted respectively, the sheet metal of positioner for being equipped with the locating hole is located collet holder both ends, its one end are the semicircle spill agrees with with collet holder mutually, through semi -circular clamp with collet holder connects, the connecting rod alternate in in the locating hole, through selecting suitable locating hole, can make the carbon fiber sleeve of different diameters. The utility model discloses simple structure, convenient to use, easy demoulding have effectively improved the telescopic preparation efficiency of carbon fiber.

Classifications:

International (IPC 8-9): C04B14/38 C04B20/00
C04B20/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN206375829 U	20170804	CN201621452384U	20161228

Priority:

CN201621452384U 20161228

Probable Assignee: SHANDONG UNIV OF SCIENCE AND TECHNOLOGY

Assignee(s): (std): SHANDONG UNIV OF SCIENCE AND TECHNOLOGY

Inventor(s): (std): LI TINGCHUN ; LIANG ZHANGQIAN ; SHANG LIMING ; WANG LIN ; XUE TIAN EN ; YANG SHENGSHUO ; YANG YUNQI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN206375829 U	20170804	LSGT	+	granted / extensions (spc, cpc, pte)	
CN206375829 U	20170804	LSGT	+GR01	PATENT GRANT	
CN206375829 U	20261228	PEXP		Calculated Patent Term Expiry	

Title: NONFLAMMABILITY CORTING MORTAR AND METHOD USING THEM THEREOF

Abstract: Source: KR101766316B The present invention relates to nonflammable spraying mortar having excellent adhesiveness on a flammable organic foamed insulator, with which the surface of the flammable organic insulator is covered to effectively prevent a fire and which has the excellent adhesiveness to simplify work processes even if other special primer is not covered and to a manufacturing method thereof. The present invention provides the nonflammable spraying mortar having excellent adhesiveness on the flammable organic foamed insulator, which is configured by adding 50 parts by weight of distilled water and 50 parts by weight of ethanol with respect to 100 parts by weight of inorganic nano-sol, performing an agitation process, dropping 2 parts by weight of nitric acid into the mixture, and hydrolyzing and agitating the mixture to complete the mixture; completing a coating agent by adding 3 parts by weight of organic metal alkoxide (TSPEDA) and 5 parts by weight of a silane coupling agent (GPTMS) to the mixture and performing an agitating process; and adding 30 parts by weight of expanded polystyrene (EPS), 30 parts by weight of perlite powder, 20 parts by weight of pulp, 1 part by weight of gypsum retarder and 3 parts by weight of surfactant while spraying and mixing 50 parts by weight of the coating agent with respect to 1 kg of desulfurized gypsum.

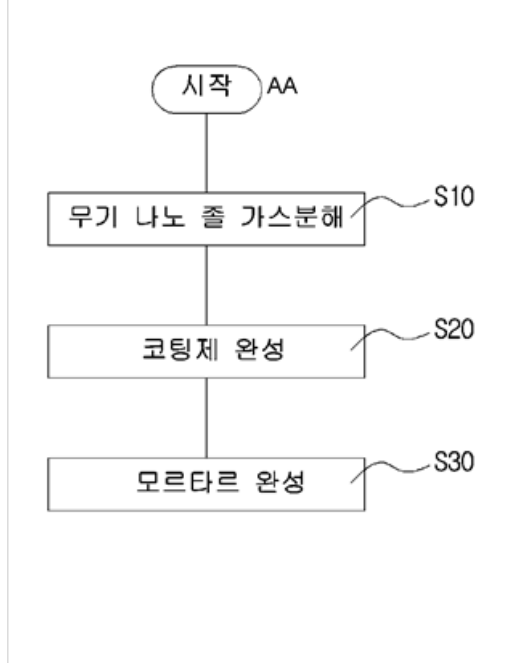
Classifications:

International (IPC 8-9): C04B14/06 C04B14/18 C04B14/30 C04B16/08 C04B18/24 C04B20/00 C04B20/10 C04B22/14 C04B24/42 (Advanced/Invention);

C04B103/40 C04B111/28 (Advanced/Non-invention)

CPC: C04B14/062 C04B14/18 C04B14/30 C04B16/08 C04B18/241 C04B20/008 C04B20/1022 C04B22/145 C04B24/42 C04B2103/40 C04B2111/28 Y02W30/97

PatBase - KR101766316_B1



Family:

Publication number	Publication date	Application number	Application date
KR101766316 B1	20170808	KR20160135607	20161019

Priority:

KR20160135607 20161019

Probable Assignee: FINE MICROCELL IND CO LTD

Assignee(s): (std): DAELIM INDUSTRIAL CO LTD ; FINE MICROCELL IND CO LTD ; DAELIM IND CO LTD

Assignee(s): DAELIM INDUSTRIAL CO ; FINE MICROCELL INDUSTRIAL CO ; FINE MICROCELL INDUSTRIAL CO LTD

Inventor(s): (std): HWANG WOO JIN ; KIM RAE HWAN ; LEE EUN GYU ; LEE JAE HYUN ; PAIK NAM JOON ; PAIK TAI YOON

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101766316 B1	20170808	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101766316 B1	20170728	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101766316 B1	20170802	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101766316 B1	20361019	PEXP		Calculated Patent Term Expiry	

Title: PREPARING METHOD OF NANO-MODIFIED HIGH PERMEABILITY RESISTANT CONCRETE

Abstract: Source: CN107032734A The invention relates to building material engineering, and aims at providing a preparing method of nano-modified high permeability resistant concrete. The preparing method comprises the steps of conducting dry stirring on cement, sand, gravel, fly ash, blast-furnace slag powder and silica fume, and mixing the mixture evenly; mixing a nanometer additive, a water reducing agent and water which accounts for half the weight evenly, and adding the nanometer additive, the water reducing agent and the water which accounts for half the weight into the mixture for stirring; then adding the water which accounts for the other half the weight and continuing to conducting mixing; conducting discharging, and putting the new mixture into molds; conducting maintenance according to a conventional maintenance mode after removing the molds to obtain the nano-modified high permeability resistant concrete. According to the preparing method of the nano-modified high permeability resistant concrete, the limitation of the influence of a single mineral component on the performance of the concrete is solved, through the combination of the multifunctional composition, the effect of function superposition and synergy is achieved, the composite multifunctional composition can effectively optimize the concrete structure grain composition, and by optimizing the internal pore structure of the concrete, the aim of improving the permeability resistance is achieved. The grain composition optimization is conducted on the concrete structure by utilizing the nanometer additive, the high activity and the microcrystal nuclear effect of nano-particles are given full play to at the same time, and the permeability resistance of the concrete structure is improved.

Classifications:

International (IPC 8-9): C04B14/06 C04B14/10 C04B14/28 C04B18/08 C04B18/14 C04B20/00 C04B28/22 (Advanced/Invention)

CPC: Y02W30/92 Y02W30/94 C04B20/008 C04B14/062 C04B14/28 C04B18/08 C04B18/141 C04B18/146 C04B2201/50

Family:

Publication number	Publication date	Application number	Application date
 CN107032734 A	20170811	CN201710189272	20170327

Priority:

CN201710189272 20170327

Probable Assignee: UNIV ZHEJIANG

Assignee(s): (std): UNIV ZHEJIANG ; ZHEJIANG UNIV

Inventor(s): (std): KONG DEYU ; LIN ZHOU ; SHENG JIANSONG ; YANG HUI ; ZE LONG ; ZHAN SHULIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107032734 A	20170811	LSPB	+	published / reissued	
CN107032734 A	20170811	LSPB	PB01	PUBLICATION	

Title: STEEL FIBER SELF-COMPACTING CONCRETE AND PREPARATION METHOD THEREOF AND PREFABRICATED COMPONENT

Abstract: Source: CN107032695A The invention provides a steel fiber self-compacting concrete, wherein the water-binder ratio of the concrete is controlled to be 0.3-0.7. The concrete is prepared from, by weight, 1-5 parts of 3-20 mm short steel fiber, 0.5-3 parts of magnetic beads, 1-4 parts of non-metallic fiber, 23-27 parts of natural coarse aggregate, 20-22.5 parts of sand, 10-14 parts of cement, 1.5-3.5 parts of fly ash, 4-8 parts of water, and 0.001-0.160 part of water reducing agent. The obtained high performance self-compacting concrete not only has simple production processes, but also can meet requirements on compressive strength and tensile performance.

Classifications:

International (IPC 8-9): C04B14/30 C04B14/42 C04B14/46 C04B14/48 C04B20/00 C04B28/04 C04B28/08 (Advanced/Invention)

CPC: C04B28/04 C04B14/308 C04B20/0052

Family:

Publication number	Publication date	Application number	Application date
 CN107032695 A	20170811	CN201710164061	20170320

Priority:

CN201710164061 20170320

Probable Assignee: TECHNOLOGY INST JIANGSU UNIV OF SCIENCE AND TECHNOLOGY ZHANGJIAGANG IND

Assignee(s): (std): TECHNOLOGY INST JIANGSU UNIV OF SCIENCE AND TECHNOLOGY ZHANGJIAGANG IND

Assignee(s): ZHANGJIAGANG JIANGSU UNIV OF SCIENCE AND TECHNOLOGY INDUSTRIAL TECHNOLOGY RESEARCH INST

Inventor(s): (std): CAI MENGFAN ; CHEN TIANMING ; MA JIAN ; PAN RONGNAN ; SHI HUI ; WANG HUAN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107032695 A	20170811	LSPB	+	published / reissued	
CN107032695 A	20170811	LSPB	PB01	PUBLICATION	

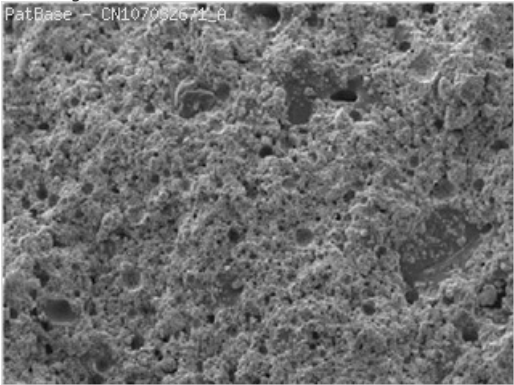
Title: ENVIRONMENT-FRIENDLY COMPOUND TYPE HALF-RIGIDITY PAVEMENT BASE COURSE

Abstract: Source: CN107032671A The invention belongs to the technical field of road materials, and relates to an environment-friendly compound type half-rigidity pavement base course. The environment-friendly compound type half-rigidity pavement base course is prepared from, by mass, 30 parts of gravel with the diameter larger than 9.5 mm, 21-42 parts of gravel with the diameter not larger than 9.5 mm, 28-56 parts of dry residue aggregates with the diameter not larger than 9.5 mm, 4-4.5 parts of cement, 2-3 parts of lime and 2-3 parts of dry residue powder with the specific surface area being 350-500. Dry residues are recycled and used again; on one hand, the raw material cost of the half-rigidity base course material is lowered; on the other hand, dry residues are directly adopted as raw materials, no discharge treatment is performed any more, the discharge cost is saved, and effective resource integration is achieved.

Classifications:

International (IPC 8-9): C04B18/10 C04B20/00
C04B28/00 (Advanced/Invention)

CPC: Y02W30/92 C04B28/00 C04B2201/50



Family:

Publication number	Publication date	Application number	Application date
■ CN107032671 A	20170811	CN201710215956	20170401

Priority:

CN201710215956 20170401

Probable Assignee: CHINA MERCHANTS CHONGQING COMMUNICATIONS RES AND DESIGN INST CO LTD

Assignee(s): (std): CHINA MERCHANTS CHONGQING COMMUNICATIONS RES AND DESIGN INST CO LTD ; CHINA MERCHANTS CHONGQING COMMUNICATIONS RESEARCH AND DESIGN INST CO LTD

Assignee(s): CHINA MERCHANTS CHONGQING COMMUNICATIONS RESEARCH AND DESIGN INST CO

Inventor(s): (std): HAN DAOJUN ; LI JINGRUO ; TAN WEI ; TANG SHUMING ; WANG QUANLEI ; XIN SHUNCHAO ; ZHANG DONGCHANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107032671 A	20170811	LSPB	+	published / reissued	
CN107032671 A	20170811	LSPB	PB01	PUBLICATION	

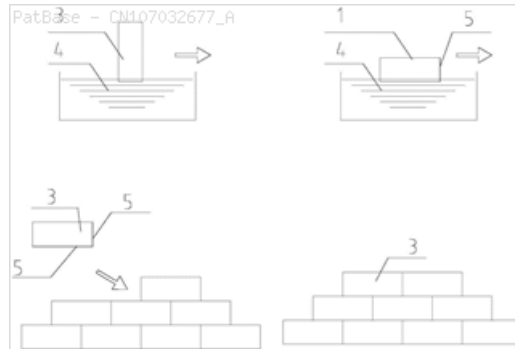
Title: MASONRY ADHESIVE MORTAR AND APPLICATION METHOD THEREOF

Abstract: Source: CN107032677A The invention discloses a preparation and application method of masonry adhesive mortar. The method is characterized by firstly preparing dry pre-mixed mortar, wherein the raw materials and proportion of the dry pre-mixed mortar are as follows: 55 to 77kg of ordinary cement, 26 to 43kg of dry fine sand (the maximum particle size does not exceed 1.0mm, and the mud content is less than 3 percent) and 2 to 4kg of a polymer binder; putting all the raw materials into a specially-made mixer in proportion, mixing evenly by using the mixer to obtain the 'dry pre-mixed mortar'; then preparing finished mortar: putting 10kg of the 'dry pre-mixed mortar' and 4 to 7kg of water into a vessel, stirring evenly by using an electric stirrer, standing for 5 to 10min, and then stirring for a while to obtain the polymer cement mortar disclosed by the invention, which can be used immediately. The method has the advantages of simplicity, high efficiency, energy saving, material saving and the like.

Classifications:

International (IPC 8-9): C04B14/06 C04B20/00 C04B24/24
C04B28/00 E04B2/14 (Advanced/Invention)

CPC: C04B28/00 C04B20/0076 C04B24/24 E04B2/14

**Family:**

Publication number	Publication date	Application number	Application date
■ CN107032677 A	20170811	CN201710274185	20170425

Priority:

CN201710274185 20170425

Probable Assignee:

CHEN LING

Assignee(s): (std):

CHEN LING

Assignee(s):

CHEN JING

Inventor(s): (std):

CHEN LING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107032677 A	20170811	LSPB	+	published / reissued	
CN107032677 A	20170811	LSPB	PB01	PUBLICATION	

Title: PREPARATION METHOD FOR IMPROVING PROPERTIES OF THERMAL INSULATION MATERIAL OF GROUND HEATING FLOORING

Abstract: Source: CN107056323A The invention discloses a preparation method for improving properties of thermal insulation material of ground heating flooring; the preparation method comprises the specific steps of 1) preparing cement paste, to be specific, adding cement, a water reducer, a foam stabilizer, an early strength agent, fibers, latex powder, a water repellent and water into a mixer, and mixing at the mixing speed of 800-1500 rpm for 2-4 min; 2) mixing with a foaming agent, to be specific, adding a chemical foaming agent, and mixing; 3) preparing composite microsphere material, to be specific, adding microspheres, heavy calcium carbonate and quartz sand proportionally into a screw stirring mixer, adding MH6001P6, and mixing well; 4) mixing well the cement paste and the composite microsphere material. The thermal insulation material prepared by using the preparation method of the thermal insulation material is light in weight, is 230-250 kg/m<3> in dry intensity, up to 0.7-1.2 MPa in compressive strength, up to 0.05-0.08 W/m.K in heat conductivity coefficient and 3-5 percent in water absorption, is free of deforming or cracking, and has good ageing resistance, long life, high strength, good impact resistance, good fireproofing and flame retardancy, and good acoustic insulation, heat insulation and energy efficiency.

Classifications:

International (IPC 8-9): C04B111/60 C04B20/00 C04B28/04 C04B38/02 (Advanced/Invention); C04B111/60 (Advanced/Non-invention)
CPC: C04B38/02 C04B40/0039 C04B2111/60 C04B2201/32 C04B2201/50

Family:

Publication number	Publication date	Application number	Application date
 CN107056323 A	20170818	CN201710299958	20170428

Priority:

CN201710299958 20170428

Probable Assignee: SICHUAN YISEN THERMAL ENERGY TECH CO LTD

Assignee(s): (std): SICHUAN YISEN THERMAL ENERGY TECH CO LTD

Assignee(s): SICHUAN YISEN THERMAL ENERGY TECHNOLOGY CO ; SICHUAN YI SEN THERMAL TECHNOLOGY CO LTD

Inventor(s): (std): LIU ZUQIANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107056323 A	20170818	LSPB	+	published / reissued	
CN107056323 A	20170818	LSPB	PB01	PUBLICATION	

Title: PERMEABLE KERBSTONE

Abstract: Source: CN107056322A The invention relates to a permeable kerbstone. The permeable kerbstone is prepared from the raw materials such as aggregate, a binding material and water, wherein the aggregate is fine aggregate; and the binding material comprises cement and an additive. The invention further relates to application of the permeable kerbstone. The permeable kerbstone in the invention has the functions of high permeability, high water-retaining property, high strength, high durability, no environmental pollution, and rainwater purification; rainwater is thoroughly eliminated, no water exists on two sides of a road, a purification effect is achieved while the rainwater is eliminated, the problem of the conflict of the pair of contradictory bodies such as strength and permeability is solved, and the permeable kerbstone can be used on two sides of the roads in the industries such as traffic, municipal administration and park.

Classifications:

International (IPC 8-9): C04B18/04 C04B20/00 C04B28/04 C04B38/00 (Advanced/Invention)

CPC: Y02W30/91 C04B38/0041 C04B20/0076 C04B2111/00284 C04B2201/50

Family:

Publication number	Publication date	Application number	Application date
 CN107056322 A	20170818	CN201710335064	20170512

Priority:

CN201710335064 20170512

Probable Assignee: SHANGHAI JIUDING ENVIRONMENTAL PROTECTION TECH CO LTD

Assignee(s): (std): SHANGHAI JIUDING ENVIRONMENTAL PROTECTION TECH CO LTD

Assignee(s): SHANGHAI JIUDING ENVIRONMENTAL PROTECTION TECHNOLOGY CO ; SHANGHAIJIU DING ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY CO LTD

Inventor(s): (std): LIU QIKAI ; SUN WANYOU ; YANG DINGMING ; ZHA WENWEI ; ZHONG SHAN ; ZHONG YU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107056322 A	20170818	LSPB	+	published / reissued	
CN107056322 A	20170818	LSPB	PB01	PUBLICATION	

Title: NANOMETER-BASED LOW-DENSITY CEMENT SLURRY

Abstract: Source: CN107117876A The invention discloses nanometer-based low-density cement slurry, and belongs to the technical field of oilfield chemistry. Through being metered in parts by weight, the cement slurry is prepared from 100 parts of grade G cement, 5 to 20 parts of nanometer powder body materials, 10 to 50 parts of sepiolite, 5 to 20 parts of ultrafine cement, 0 to 30 parts of artificial hollow micro beads, 1 to 5 parts of drag reducers, 3 to 7 parts of powder water reducing and losing agents, 0 to 3 parts of retarders and 90 to 260 parts of water. The cement slurry still has high intensity and extremely good stability under the condition of high water-cement ratio; the pressure-resistant capability is high; the cost is lower; the requirements of low-pressure easy-to-leak layer, narrow-density window well cementing, underbalance drilling matched well cementing and the like at present can be well met.

Classifications:**International (IPC 8-9):** C04B20/00 C04B28/00 C09K8/467 C09K8/473 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
CN107117876 A	20170901	CN201710356300	20170519

Priority:

CN201710356300 20170519

Probable Assignee: TEDA BO XING HIGH TECH OF CNPC CORP**Assignee(s):** (std): CNPC TIANJIN BO XING ENGINEERING SCIENCE AND TECHNOLOGY CO LTD ; TEDA BO XING HIGH TECH OF CNPC CORP**Assignee(s):** TEDA BO XING HIGH TECHNOLOGY OF CNPC CORP**Inventor(s):** (std): AN SHAOHUI ; GAO JICHAO ; HOU WEI ; LI JIANHUA ; LIU YONG ; LU HAICHUAN ; SONG WEIBIN ; TAN WENLI ; WANG HAIPING ; ZHAO YUE**Legal status (INPADOC)**[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN107117876 A	20170901	LSPB	+	published / reissued	
CN107117876 A	20170901	LSPB	PB01	PUBLICATION	

Title: HIGH GRADE ASPHALT CONCRETE COMPOSITION HAVING LOW NOISE AND PERMEABLE AND CONSTRUCTING METHODS USING THEREOF

Abstract: Source: KR101773927B In the present invention, provided is an asphalt concrete composition having low noise and water drainage properties comprising 5-50 parts by weight of styrene isoprene styrene, 10-1,000 parts by weight of aggregate, 10-40 parts by weight of nano-ceramic particles, 2-15 parts by weight of a deformation inhibitor, 10-60 parts by weight of a filler, 5-30 parts by weight of waste tire powder, 3-20 parts by weight of a silane compound, 1-10 parts by weight of a performance improving agent, 5-25 parts by weight of an adhesion promoter, 2-20 parts by weight of fiber, and 1-10 parts by weight of a stabilizer with respect to 100 parts by weight of asphalt. According to the present invention, the asphalt concrete composition having low noise and water drainage properties has high coagulation force and high binding force, has low noise and excellent water drainage properties, and can prevent the generation of cracks, surface stripping, and separation (a pothole) by minimizing the impact of changes in external temperature.

Classifications:

International (IPC 8-9): C04B14/32 C04B14/40 C04B18/02 C04B18/22 C04B20/00 C04B24/26 C04B24/42 C04B26/26 E01C7/14 E01C7/18 (Advanced/Invention);

C04B111/52 (Advanced/Non-invention)

CPC: C04B26/26 C04B14/324 C04B14/40 C04B18/027 C04B18/22 C04B20/008 C04B24/26 C04B24/42 E01C7/14 E01C7/18 C04B211/52 Y02W30/96

Family:

Publication number	Publication date	Application number	Application date
KR101773927 B1	20170901	KR20170021200	20170216

Priority:

KR20170021200 20170216

Probable Assignee: KOREA HIGHWAY AIRPORT TECHNOLOGY

Assignee(s): (std): KOREA HIGHWAY AIRPORT TECHNOLOGY

Assignee(s): KOREA HIGHWAY TECHNOLOGY CO LTD

Inventor(s): (std): KIM IN JUNG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101773927 B1	20170901	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101773927 B1	20170825	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101773927 B1	20170828	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101773927 B1	20370216	PEXP		Calculated Patent Term Expiry	

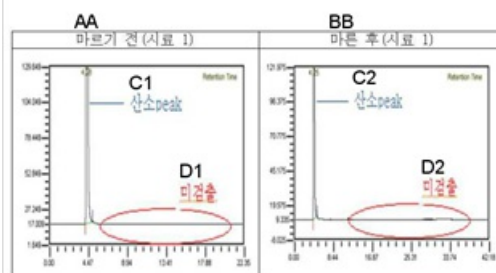
Title: VISCOELASTIC COMPOSITION FOR REDUCING FLOOR IMPACT SOUND OF APARTMENT HOUSES HAVING ANTIBACTERIAL ACTIVITY AND ANTIMICROBIAL ACTIVITY AND VISCOELASTIC DAMPER INCLUDING THE SAME

Abstract: Source: KR20170100992A Disclosed are a viscoelastic composition for reducing noise between floors of apartment houses, capable of damping impact vibration caused by bottom impact sources of a bottom structure while being environment-friendly and having antibacterial and antimicrobial activity, and a viscoelastic damper including the same. To this end, the viscoelastic composition for reducing noise between floors of apartment houses comprises 10 to 20 parts by weight of water, 10 to 30 parts by weight of a binder, 20 to 40 parts by weight of a first inorganic pigment, 10 to 25 parts by weight of a second inorganic pigment and 10 to 30 parts by weight of a natural antimicrobial agent. The composition has excellent vibration damping performance, and can be used as an antibacterial and antimicrobial building finishing material satisfying legal standards with respect to antibacterial and antimicrobial products.

Classifications:

International (IPC 8-9): C04B14/20 C04B20/00 C04B26/32 C08J5/02 C08K3/34 E04B1/82 E04F15/20 (Advanced/Invention); C04B111/00 C04B111/52 (Advanced/Non-invention)
CPC: C04B14/206 C04B20/002 C04B26/32 C08J5/02 C08K3/34 E04B1/82 E04F15/20 C04B2111/00025 C04B2111/52 E04F2290/041 E04F2290/044

PatBase - KR20170100992_A



Family:

Publication number	Publication date	Application number	Application date
■ KR101803508 B1	20171201	KR20160023602	20160226
■ KR20170100992 A	20170905	KR20160023602	20160226

Priority:

KR20160023602 20160226

Probable Assignee: RES CENTER FOR SUSTAINABLE BUILDING DESIGN AND CONSTRUCTION

Assignee(s): (std): RES CENTER FOR SUSTAINABLE BUILDING DESIGN AND CONSTRUCTION

Assignee(s): RESEARCH CENTER FOR ECO FRIENDLY BUILDING DESIGN CONSTRUCTION CO LTD ; RESEARCH CENTER FOR SUSTAINABLE BUILDING DESIGN AND CONSTRUCTION

Inventor(s): (std): JEONG YEONG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101803508 B1	20171201	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101803508 B1	20360226	PEXP		Calculated Patent Term Expiry	
KR20170100992 A	20170905	LSPB	+	published / reissued	
KR20170100992 A	20160226	LSES	A201	REQUEST FOR EXAMINATION	
KR20170100992 A	20170318	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20170100992 A	20170824	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR20170100992 A	20171124	LSGT	+GRNT	WRITTEN DECISION TO GRANT	

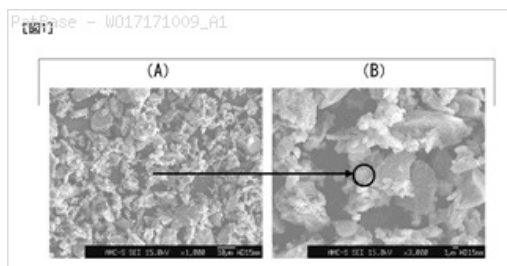
Title: RAPID-HARDENING MORTAR COMPOSITION

Abstract: This rapid-hardening mortar composition includes a rapid-hardening admixture, cement, and a fine aggregate. The composition contains 100-2000 parts by mass of the cement per 100 parts by mass of the rapid-hardening admixture. The rapid-hardening admixture includes calcium aluminate, 50-200 parts by mass of an inorganic sulfate per 100 parts by mass of the calcium aluminate, and 0.1-10 parts by mass of a setting regulator per 100 parts by mass of the calcium aluminate. The average particle diameter of the calcium aluminate is 8-100 micro m. The average particle diameter of the setting regulator is 5 micro m or less.

Classifications:

International (IPC 8-9): C04B14/04 C04B14/06 C04B14/10 C04B14/28 C04B14/38 C04B16/06 C04B18/08 C04B18/10 C04B18/14 C04B20/00 C04B22/06 C04B22/08 C04B22/10 C04B22/14 C04B24/04 C04B24/06 C04B24/24 C04B24/26 C04B28/02 E01C7/10 E01C7/35 (Advanced/Invention); C04B11/70 (Advanced/Non-invention)

CPC: C04B14/38 C04B16/06 C04B20/00 C04B22/06 C04B22/08 C04B22/10 C04B14/06 C04B14/10 C04B14/28 C04B18/08 C04B22/14 C04B18/10 C04B24/04 C04B18/14 C04B24/24 C04B28/02 E01C7/10 Y02W30/92 Y02W30/94

**Family:**

Publication number	Publication date	Application number	Application date
JP2017186238 A2	20171012	JP20170061311	20170327
JP2017186239 A2	20171012	JP20170061377	20170327
JP6183571 B1	20170823	JP20170061311	20170327
JP6183572 B1	20170823	JP20170061377	20170327
WO17170992 A1	20171005	WO2017JP13555	20170331
WO17171009 A1	20171005	WO2017JP13613	20170331

Priority:

JP20160073198 20160331 JP20160073416 20160331 JP20170061311 20170327
JP20170061377 20170327

Probable Assignee: MITSUBISHI MATERIALS CORP

Assignee(s): (std): MITSUBISHI MATERIALS CORP

Inventor(s): (std): KAMITANI KIYOSHI ; KAMIYA KIYOSHI ; KIMOTO DAISUKE ; SAITO KEIJI ; SAITOU KEIJI ; TAWARA HIDEO ; TOKUNAGA 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 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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017186238 A2	20171012	LSPB	+	published / reissued	
JP2017186239 A2	20171012	LSPB	+	published / reissued	
JP6183571 B1	20170823	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6183571 B1	20170619	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP6183571 B1	20170627	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170627
JP6183571 B1	20170629	LSGT	+A01	特許査定書 Decision of patent grant	
JP6183571 B1	20170629	LSFE	R1001	特許料納付書 (包括納付) Patent fee payment form (inclusive payment)	
JP6183571 B1	20170731	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170710
JP6183571 B1	20170804	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6183571 COUNTRY OF REF DOCUMENT : JP
JP6183571 B1	20370327	PEXP		Calculated Patent Term Expiry	

JP6183572 B1	20170823	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6183572 B1	20170619	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP6183572 B1	20170627	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170627
JP6183572 B1	20170629	LSGT	+A01	特許査定書 Decision of patent grant	
JP6183572 B1	20170629	LSFE	R1001	特許料納付書 (包括納付) Patent fee payment form (inclusive payment)	
JP6183572 B1	20170731	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170710
JP6183572 B1	20170804	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6183572 COUNTRY OF REF DOCUMENT : JP
JP6183572 B1	20370327	PEXP		Calculated Patent Term Expiry	
WO17170992 A1	20171005	LSPB	+	published / reissued	
WO17171009 A1	20171005	LSPB	+	published / reissued	

Title: NON-SHRINK GROUT COMPOSITION

Abstract: Source: JP2017149599A PROBLEM TO BE SOLVED: To provide a grout composition which prevents material separation under not only normal temperature but also low temperature environment while having high flowability, has non-shrink property, and has high strength development.SOLUTION: The non-shrink grout composition contains (A) 100 pts.mass of cement, (B) 3-6 pts.mass of an expansive material, (C) 0.5-1 pt.mass of a water-reducing agent, (D) 0.1-0.3 pt.mass of a setting accelerator, (E) 0.0005-0.002 pt.mass of a foaming agent, (F) 50-90 pts.mass of a limestone aggregate having a particle size composition of 0.5-10 mass percent of the limestone aggregate having a particle size of 1.2 mm or more and less than 2.5 mm, 35-55 mass percent of the limestone aggregate having a particle size of 0.6 mm or more and less than 1.2 mm, 20-50 mass percent of the limestone aggregate having a particle size of 0.3 mm or more and less than 0.6 mm, and 5-35 mass percent of the limestone aggregate having a particle size of less than 0.3 mm, and (G) 10-50 pts.mass of a natural aggregate that is other than the limestone aggregate having a particle size composition of 35-70 mass percent of the limestone aggregate having a particle size of 1.2 mm or more and less than 2.5 mm, 25-55 mass percent of the limestone aggregate having a particle size of 0.6 mm or more and less than 1.2 mm and 1-10 mass percent of the limestone aggregate having a particle size of less than 0.6 mm, and has a density of 2.3 g/cm³ or more and less than 3.0 g/cm³.SELECTED

DRAWING: None

Classifications:

International (IPC 8-9): C04B14/06 C04B14/28 C04B20/00 C04B22/04 C04B22/06 C04B22/14 C04B24/22 C04B24/32 C04B24/38 C04B28/02 E04G23/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017149599 A2	20170831	JP20160032635	20160224

Priority:

JP20160032635 20160224

Probable Assignee: TAIHEIYO MAT KK**Assignee(s):** (std): TAIHEIYO MAT KK ; TAIHEIYO MATERIALS CORP**Assignee(s):** TAIHEIYO MATERIAL KK**Inventor(s):** (std): AKAE SHINYA ; NAKAHARA KAZUHIKO ; TAKAYAMA KOHEI**Agent(s):** TAKANO TOSHIO; YAMAMOTO HIROTO; PATENT CORPORATE BODY ARUGA PATENT OFFICE; MURATA MASAKI; NAKAJIMA TOSHIO**Legal status (INPADOC)**[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
JP2017149599 A2	20170831	LSPB	+	published / reissued	

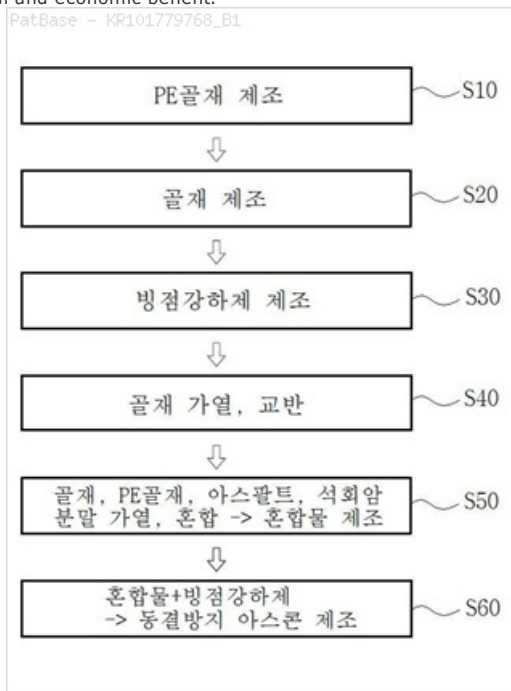
Title: ASPHALT-CONCRETE HAVING A FUNCTION OF PREVENTING FREEZING AND MANUFACTURING METHOD OF IT

Abstract: Source: KR101779768B The present invention relates to asphalt-concrete having a function of preventing freezing and a manufacturing method thereof. The asphalt-concrete of the present invention solves the problem that the road surface of the airport, the expressway, and the like can be easily frozen in the winter by lowering the freezing point of the road surface, so the inconvenience of using the airport and the expressway can be solved and the stability can be secured in the use of the runway and the expressway, thereby providing great social and economic benefit.

Classifications:

International (IPC 8-9): C04B14/06 C04B14/28 C04B14/30
C04B18/02 C04B18/20 C04B20/00 C04B22/06 C04B22/12
C04B26/26 (Advanced/Invention)

CPC: C04B14/06 C04B14/28 C04B14/308 C04B18/02 C04B18/20
C04B20/002 C04B22/064 C04B22/12 C04B26/26



Family:

Publication number	Publication date	Application number	Application date
■ KR101779768 B1	20170919	KR20170076799	20170616

Priority:

KR20170076799 20170616

Probable Assignee:

HWA JIN

Assignee(s): (std):

HWA JIN ; RECAON CO LTD

Assignee(s):

RECAON CO

Inventor(s): (std):

KIM MYONG HYUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101779768 B1	20170919	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101779768 B1	20170911	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101779768 B1	20170913	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101779768 B1	20370616	PEXP		Calculated Patent Term Expiry	

Title: MORTAR FOR SPRAYING

Abstract: Source: JP2017154961A PROBLEM TO BE SOLVED: To provide a mortar for spraying for adding a liquid quick setting admixture and water to a premix mortar before water injecting during spray processing, which can stably achieve good quick setting property and strength development even when the premix mortar before water injection is pressure fed in long distance and addition of the quick setting admixture and water injection are conducted in a spraying site and s excellent in processing efficiency.SOLUTION: There is provided a mortar for spraying containing following premix mortar (A), alkali free liquid quick setting admixture of 5 to 9.5 pts.mass and water based on 100 pts.mass of the content of Portland cement in the premix mortar. A: Premix mortar containing Portland cement of 100 pts.mass, anhydrous gypsum of 2.5 to 8 pts.mass, amorphous calcium aluminate with content molar ratio of CaO and AlOas chemical components (CaO/AlO) of 2.2 to 2.4 of 3 to 8 pts.mass and a fine aggregate with percentage content of particles having center particle diameter of 0.4 mm or more and particle diameter of 0.05 to 3.5 mm of 99 mass percent or more and bulk specific gravity of 2.4 to 2.9 of 130 to 350 pts.mass and no water.SELECTED DRAWING: None

Classifications:

International (IPC 8-9): C04B16/06 C04B20/00 C04B22/08 C04B22/14 C04B24/26 C04B28/04 C04B7/02 E21D11/10 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017154961 A2	20170907	JP20160091666	20160428

Priority:

JP20160038359 20160229 JP20160091666 20160428

Probable Assignee: TAIHEIYO MAT KK

Assignee(s): (std): TAIHEIYO MAT KK ; TAIHEIYO MATERIALS CORP

Assignee(s): TAIHEIYO MATERIAL KK

Inventor(s): (std): HANEI YOSHIHISA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017154961 A2	20170907	LSPB	+	published / reissued	

Title: YUEKSELTILMIS DOESEMİ PANELİ VE ELDE ETME YOENTEMİ YUEKSELTILMIS DOESEMİ PANEL AND THE ACQUISITION YOENTEMİ (Machine translation)

Abstract: Source: TR201300424B Bulus, inşaat sektöründe, iç ve dış zemin uygulamalarında kullanılan yükseltilmiş döşeme paneli (10) ile ilgilidir. Bulus özelliklerle, eğilme, çekme ve darbe yutma kapasitesi yüksek, ince formda ve harc (20), lifli polimer (30) ve endüstriyel tekstil malzemesinden (40) oluşan yükseltilmiş döşeme paneli (10) ve bu panelin (10) üretim yöntemi ile ilgilidir. Bulus, inşaat sektöründe, iç ve dış uygulamalarında yükseltilmiş döşeme paneli (10) kullanılır. Ozellikle Bulus, eğilme, çekme ve darbe yutma kapasitesi yüksek, ince formda ve harc (20), lifli polimer endüstriyel (30) ve endüstriyel tekstil malzemesinden (40) oluşan yükseltilmiş döşeme paneli (10) ve bu panelin (10) üretim yöntemi ile ilgilidir. Bulus, inşaat sektöründe, iç ve dış uygulamalarında yükseltilmiş döşeme paneli (10) kullanılır. Ozellikle Bulus, eğilme, çekme ve darbe yutma kapasitesi yüksek, ince formda ve harc (20), lifli polimer endüstriyel (30) ve endüstriyel tekstil malzemesinden (40) oluşan yükseltilmiş döşeme paneli (10) ve bu panelin (10) üretim yöntemi ile ilgilidir.

Classifications:

International (IPC 8-9): B32B33/00 C04B111/60 C04B20/00 C04B28/02 E04F15/024 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
■ TR201300424 B	20170921	TR20130000424	20130111

Priority:

TR20130000424 20130111

Probable Assignee: TICEM ILERİ YAPI TEKNOLOJİLERİ SANAYİ TİCARET DANİSMANLIK SİRKETİ LTD

Assignee(s): TICEM ILERİ YAPI TEKNOLOJİLERİ SANAYİ TİCARET DANİSMANLIK SİRKETİ LTD

Inventor(s): BEKİR YILMAZ PEKMEZCİ

Agent(s): BARİS ATALAY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
TR201300424 B	20170921	LSGT	+	granted / extensions (spc, cpc, pte)	
TR201300424 B	20330111	PEXP		Calculated Patent Term Expiry	

Title: SEPARATION TREATMENT METHOD FOR COAL ASH OR MINERAL WASTE RESIDUE AND SUPERFINE POWDER ADDITIVE

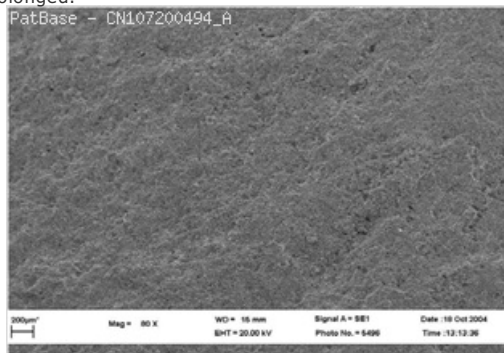
Abstract: Source: CN107200494A The invention relates to the field of materials and specifically relates to a separation treatment method for coal ash or mineral waste residue and a superfine powder additive. The separation treatment method for the coal ash or the mineral waste residue comprises the following steps: detecting the grain shape of a raw material, the mass of a first active substance in each unit mass of the raw material, and the mass of a second active substance in each unit mass of the raw material; and acquiring a combination parameter including the grain shape of the raw material and the mass factor of the raw material, and grading according to a comparison result of the combination parameter and a preset combination parameter, and wherein the mass factor is the mass ratio of the first active substance to the second active substance. The grain shape comprises a round glass body and a porous glass body, and the raw material is the coal ash or the mineral waste residue. The raw material is graded, the superfine powder additives at various grades are respectively doped, and the energy consumption of the superfine powder additive is reduced in the grinding process. The superfine powder additives at various grades are respectively doped, so that the stability of high performance concrete is guaranteed, and the quality and the service life of a building are improved and prolonged.

Classifications:

International (IPC 8-9): B02C23/20 C04B18/08 C04B18/14

C04B20/00 (Advanced/Invention)

CPC: Y02W30/92 Y02W30/94



Family:

Publication number	Publication date	Application number	Application date
■ CN107200494 A	20170926	CN201710351462	20170518

Priority:

CN201710351462 20170518

Probable Assignee: XINJIANG BEIXIN ROAD AND BRIDGE GROUP CO LTD

Assignee(s): (std): XINJIANG BEIXIN ROAD AND BRIDGE GROUP CO LTD

Assignee(s): XINJIANG NORTH NEW ROAD AND BRIDGE GROUP CO LTD ; XINJIANG BEIXIN ROAD AND BRIDGE GROUP CO

Inventor(s): (std): GAO KAIKAI ; LI YONGQUAN ; XIONG BAOHENG ; YU LIMING ; ZHANG ZHIJIAN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107200494 A	20170926	LSPB	+	published / reissued	
CN107200494 A	20170926	LSPB	PB01	PUBLICATION	

Title: HIGH THERMAL INSULATING AND LIGHT-WEIGHT AERATED CONCRETE MIX USING HYDROPHILIC NANO AEROGEL POWDER AND PREPARING METHOD OF LIGHT-WEIGHT AERATED CONCRETE

Abstract: Source: KR101782845B Disclosed are a lightweight foamed concrete composition, in which density and thermal conductivity are reduced by utilizing an optimum composition to prevent material from being separated when the foamed concrete is mixed, and a method for manufacturing lightweight foamed concrete using the same. The present invention relates to a lightweight foamed concrete composition, comprising: a binder consisting of 40-100 percent by weight of cement and 0-60 percent by weight of an admixture; a nano aerogel powder for reducing the density and thermal conductivity of the foamed concrete, consisting of 0.1-0.6/m³ of the binder and hydrophilized by surface treatment; 20 to 40 percent of water based on the weight of the binder as the mixing water; and 20 to 80 percent of bubbles based on volume after curing of the foamed concrete.

Classifications:

International (IPC 8-9): C04B20/00 C04B20/02 C04B20/04

C04B28/02 C04B38/00 C04B38/08 C04B38/10 (Advanced/Invention); C04B111/40 (Advanced/Non-invention)

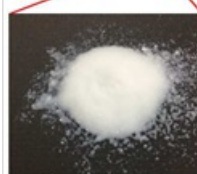
CPC: C04B38/085 C04B20/0036 C04B20/023 C04B20/04 C04B28/02 C04B38/0051 C04B38/0067 C04B38/007 C04B38/103 C04B2111/40 C04B2201/30

PatBase - KR101782845_B1



AA

기포콘크리트 내부에
나노-에어로겔 분포



BB

나노-에어로겔

Family:

Publication number	Publication date	Application number	Application date
KR101782845 B1	20170928	KR20170001923	20170105

Priority:

KR20170001923 20170105

Probable Assignee: UNIV KYONGGI IND AND ACAD COOP FOUND

Assignee(s): (std): INDUSTRIAL ACADEMIC COOPERATION GROUP KYEONGGI UNIV ; KYONGGI UNIV IND AND ACAD COOP FOUND ; UNIV KYONGGI IND AND ACAD COOP FOUND

Assignee(s): KYONGGI UNIVERSITY INDUSTRY AND ACADEMIA COOPERATION FOUNDATION ; KYONGGI UNIV IND AND ACADEMIA COOPERATION FOUNDATION

Inventor(s): (std): JU SANG HYUN ; YANG KEUN HYEOK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101782845 B1	20170928	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101782845 B1	20170922	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101782845 B1	20370105	PEXP		Calculated Patent Term Expiry	

Title: Coating composition of the plaster (Machine translation)

Abstract: Source: JP6195401B The present invention various types of building of the wall or ceiling surface forming a surface finish layer, such as the architecture for the adsorption and desorption of moisture, as a coating for the slaked lime plaster) having an adsorptive (percent by containing more than 50 parts by weight, formaldehyde, harmful gases such as volatile organic compounds (VOCS) due to the occurrence of such a risk of indoor air pollution is significantly reduced, also, according to the comfort of the room by plaster moisture absorption effect, it is possible monkey further improve the coating composition and the coating material and plaster, stucco building interior construction method using the same. A, slaked lime, and 50 parts by weight in terms of solid content, 20 to 44 percent or more percent by weight fiber aggregate of 1 to 20 weight percent, wheat and ethylene - vinyl acetate-based or acrylic-based polymer 5 to 15 parts by weight percent of the polymer, the average particle diameter of 0.5 micro m or more, and containing no titanium oxide coating composition characterized in that it plaster Background of no

Classifications:

International (IPC 8-9): C04B14/28 C04B16/02 C04B20/00 C04B24/26 C04B28/12 C09D1/12 C09D131/04 C09D133/00 C09D197/02 C09D7/12 E04F13/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP6195401 B1	20170913	JP20170036033	20170228

Priority:

JP20170013442 20170127

Probable Assignee: HOUSEHOLD CHEMICAL CO LTD

Assignee(s): HOUSEHOLD CHEMICAL CO LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP6195401 B1	20170913	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6195401 B1	20170803	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP6195401 B1	20170808	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20170808
JP6195401 B1	20170815	LSGT	+A01	特許査定書 Decision of patent grant	
JP6195401 B1	20170815	LSFE	R100	特許料納付書 Patent fee payment form	
JP6195401 B1	20170817	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20170810
JP6195401 B1	20170825	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6195401 COUNTRY OF REF DOCUMENT : JP
JP6195401 B1	20170920	LSFE	R2521	自動納付登録通知書 Automatic payment registration notice	
JP6195401 B1	20370228	PEXP		Calculated Patent Term Expiry	

Title: WATERPROOF MATERIAL FOR TOILET AND PREPARATION METHOD OF WATERPROOF MATERIAL

Abstract: Source: CN107216066A The invention discloses a waterproof material for a toilet and a preparation method of the waterproof material and relates to the technical field of waterproof materials. The waterproof material comprises the following raw materials in parts: 70-80 parts of modified starch, 55-65 parts of inorganic powder fillers, 45-50 parts of cis-1,4-polyisoprene rubber, 35-40 parts of aluminum stearate, 30-35 parts of fly ash, 25-30 parts of nano particles, 15-25 parts of organic fibers, 15-20 parts of dimethyl silicone, 10-15 parts of aids, 5-10 parts of pigments and 120-150 parts of water. The waterproof material disclosed by the invention has excellent waterproof, anti-permeability and antibacterial and anti-mold properties, the raw materials are environmental-friendly and high in affinity, water leakage in the toilet can be effectively prevented, and the waterproof material is difficult to age.

Classifications:

International (IPC 8-9): C04B111/27 C04B20/00 C04B22/10 C04B24/04 C04B26/28 (Advanced/Invention); C04B111/27 (Advanced/Non-invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107216066 A	20170929	CN201710428220	20170608

Priority:

CN201710428220 20170608

Probable Assignee: HEFEI FENG TENG ENERGY SAVING TECH CO LTD

Assignee(s): (std): HEFEI FENG TENG ENERGY SAVING TECH CO LTD

Assignee(s): HEFEI FENG TENG ENERGY SAVING TECHNOLOGY CO ; HEFEI FENG TENG ENERGY SAVING TECHNOLOGY CO LTD

Inventor(s): (std): WU XU

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107216066 A	20170929	LSPB	+	published / reissued	
CN107216066 A	20170929	LSPB	PB01	PUBLICATION	

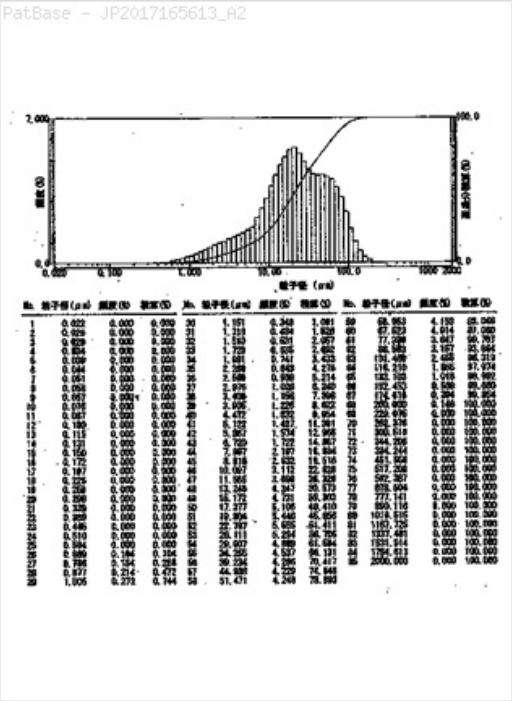
Title: AGGREGATE FOR CONCRETE, MANUFACTURING METHOD OF AGGREGATE FOR CONCRETE AND CONCRETE

Abstract: Source: JP2017165613A PROBLEM TO BE SOLVED: To provide crushed sand capable of independent use as a fine aggregate for concrete at low cost.SOLUTION: A powder content of proper particle size lacking wet crushed sand is compensated and generation of bleeding after concrete placing is inhibited by blending crushed sand generated in a dry process and containing powder content with particle diameter of 0.01 to 0.1 mm of about 65 to 75 percent and a powder content with particle diameter of 0.01 mm or less of 20 to 30 percent with the wet crushed sand having a classification point at a particle diameter of 3.5 mm at a percentage of 3 to 7 mass percent to make an aggregate for concrete.SELECTED

DRAWING: Figure 5

Classifications:

International (IPC 8-9): C04B14/06 C04B20/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017165613 A2	20170921	JP20160052111	20160316

Priority:

JP20160052111 20160316

Probable Assignee:

CHUO SAISEKI KK

Assignee(s): (std):

CHUO SAISEKI KK

Inventor(s): (std):

YAMAMOTO KAZUNARI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017165613 A2	20170921	LSPB	+	published / reissued	

Title: GROUT COMPOSITION

Abstract: Source: JP2017165625A PROBLEM TO BE SOLVED: To provide a grout composition generating no bleeding while maintaining good flowability and good in strength development from low temperature to high temperature.SOLUTION: There is provided a grout composition containing (A) cement of 100 pts.mass, (B) a water reducing agent of 0.5 to 1.5 pts.mass, (C) haulyne having Blaine specific surface area of 2000 to 6000 cm²/g of 0.3 to 2 pts.mass and (D) a limestone aggregate having particle size constitution of 25 to 40 mass percent of particle diameter of 1.2 to 2.5 mm, 25 to 45 mass percent of particle diameter of 0.6 to less than 1.2 mm, 20 to 35 mass percent of particle diameter of 0.3 mm or more and less than 0.6 mm and 10 to 35 mass percent of particle diameter of less than 0.3 mm of 90 to 110 pts.mass. There is provided a non-contractible grout composition preferably contains further a promoter and desirably contains (F) an expansive agent and (G) a foaming agent. There is provided a group composition preferably having water/cement ration (content mass ratio) of 32 to 40 percent.SELECTED DRAWING: None

Classifications:

International (IPC 8-9): C04B14/28 C04B20/00 C04B22/04 C04B22/06 C04B22/10 C04B22/14 C04B24/22 C04B28/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017165625 A2	20170921	JP20160053832	20160317

Priority:

JP20160053832 20160317

Probable Assignee: TAIHEIYO MAT KK**Assignee(s):** (std): TAIHEIYO MAT KK ; TAIHEIYO MATERIALS CORP**Assignee(s):** TAIHEIYO MATERIAL KK**Inventor(s):** (std): AKAE SHINYA ; NAKAHARA KAZUHIKO ; TAKAYAMA KOHEI**Agent(s):** PATENT CORPORATE BODY ARUGA PATENT OFFICE; TAKANO TOSHIO; NAKAJIMA TOSHIO; MURATA MASAKI; YAMAMOTO HIROTO**Legal status (INPADOC)**[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
JP2017165625 A2	20170921	LSPB	+	published / reissued	

Title: MORTAR FOR SPRAY

Abstract: Source: JP2017165632A PROBLEM TO BE SOLVED: To provide a mortar for spray by adding a liquid quick setting agent and water to a premix mortar before water filling during spray processing, excellent in processing efficiency achieving good quick setting property and strength development even when the premix mortar is compression transported in long distance and water is filled and the quick setting agent is added at a spray site.SOLUTION: There is provided a mortar for spray containing premix mortar (A), 100 pts.mass of Portland cement in the premix mortar, 4.5 to 8.5 pts.mass of an alkali free liquid quick setting agent and water. A: premix mortar containing 100 pts.mass of Portland mortar, 2.5 to 8 pts.mass of anhydrous gypsum, 3 to 8 pts.mass of amorphous calcium aluminate having content molar ratio of CaO and AlOas chemical component (CaO/AlO) of 2.2 to 2.4 and 130 to 350 pts.mass of a fine aggregate having center particle diameter of 0.4 mm or more, particle percentage content of particle diameter of 0.05 to 3.5 mm of 99 mass percent or more and bulk specific gravity of 2.4 to 2.9.SELECTED DRAWING: None

Classifications:

International (IPC 8-9): C04B20/00 C04B22/08 C04B22/14 C04B24/26 C04B28/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017165632 A2	20170921	JP20160054523	20160317

Priority:

JP20160054523 20160317

Probable Assignee: TAIHEIYO MAT KK
Assignee(s): (std): TAIHEIYO MAT KK ; TAIHEIYO MATERIALS CORP
Assignee(s): TAIHEIYO MATERIAL KK
Inventor(s): (std): HANEI YOSHIHISA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017165632 A2	20170921	LSPB	+	published / reissued	

Title: USE OF SUBSTANTIALLY HYDRATED CEMENT PARTICULATES IN CEMENTING AND SUBTERRANEAN APPLICATIONS

Abstract: Source: US2005173117A The present invention relates to substantially hydrated cement particulates. More particularly, the present invention relates to compositions comprising substantially hydrated cement particulates and associated methods of use in cementing and subterranean applications. These substantially hydrated cement particulates may be included in cement compositions and subterranean treatment fluids, inter alia, as carrier particles for admixtures, lost circulation materials, density-varying additives, proppants, and the like.

Classifications:

International (IPC 8-9): C04B18/16 C04B20/02 C04B28/02 C09K8/46 E21B33/13 E21B43/267 (Advanced/Invention); C04B18/04 C04B20/00 C04B28/00 C09K8/42 E21B33/13 (Core/Invention)

International (IPC 1-7): C04B14/36 C04B18/16 C04B20/02 C09K7/04 E21B33/13 E21B43/267

CPC: C09K8/46 C04B18/16 C04B2111/00146 C09K8/032 C09K8/5045 Y02W30/95 Y10S507/904

US: 106/819 166/280.1 166/280.2 166/292 166/293 175/72 507/140 507/141 507/269 507/904

Family:

Publication number	Publication date	Application number	Application date
AR047795 AA	20060222	AR2005P100367	20050201
US2005173117 AA	20050811	US20040775348	20040210
US7086466 BB	20060808	US20040775348	20040210
WO05080287 A1	20050901	WO2004GB05322	20041217

Priority:

US20040775348 20040210

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): HALLIBURTON ENERGY SERV INC ; RODDY CRAIG W ; WAIN CHRISTOPHER PAUL

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): RODDY CRAIG W

Inventor(s): RODDY CRAIG

Agent(s): CRAIG W RODDY HALLIBURTON ENERGY SERVICES; CRAIG W; BAKER BOTTS LLP

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR047795 AA	20060222	LSPB	+	published / reissued	
AR047795 AA	20100726	LSGT	+FG	GRANT, REGISTRATION	
US2005173117 AA	20050811	LSPB	+	published / reissued	
US2005173117 AA	20040210	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HALLIBURTON ENERGY SERVICES, INC., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RODDY, CRAIG W.; REEL/FRAME:014984/0195 EFFECTIVE DATE : 20040210
US7086466 BB	20060808	LSGT	+	granted / extensions (spc, cpc, pte)	
US7086466 BB	20060719	LSGT	PAT1	Patented Case	
US7086466 BB	20100122	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7086466 BB	20140128	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7086466 BB	20240924	PEXP		Calculated Patent Term Expiry (PTA 227 days)	
WO05080287 A1	20050901	LSPB	+	published / reissued	
WO05080287 A1	20060811	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO05080287 A1	20060811	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : DE
WO05080287 A1	20070418	LSNE	-122	EP: PCT APPLICATION	REF COUNTRY CODE : WO

NON-ENTRY IN
EUROPEAN
PHASE

Title: WELL TREATMENT COMPOSITIONS AND METHODS UTILIZING NANO-PARTICLES

Abstract: Disclosed embodiments relate to well treatment fluids and methods that utilize nano-particles. Exemplary nano-particles are selected from the group consisting of particulate nano-silica, nano-alumina, nano-zinc oxide, nano-boron, nano-iron oxide, and combinations thereof. Embodiments also relate to methods of cementing that include the use of nano-particles. An exemplary method of cementing comprises introducing a cement composition into a subterranean formation, wherein the cement composition comprises cement, water and a particulate nano-silica. Embodiments also relate to use of nano-particles in drilling fluids, completion fluids, stimulation fluids, and well clean-up fluids.

Classifications:

International (IPC 8-9): C04B14/06 C04B20/00 C09K8/467 (Advanced/Invention);
C04B14/02 C04B20/00 C09K8/42 (Core/Invention)

CPC: C09K8/467 C04B20/008 C04B28/02 C09K8/032 C09K8/665 C09K2208/10 Y02W30/92 Y10S507/906 Y10S507/924 Y10S977/963

Family:

Publication number	Publication date	Application number	Application date
BRPI0811119 A2	20141223	BR2008PI11119	20080501
CA2681606 AA	20081120	CA20082681606	20080501
CA2681606 C	20121106	CA20082681606	20080501
EP2158288 A1	20100303	EP20080750498	20080501
WO08139140 A1	20081120	WO2008GB01524	20080501

Priority:

US20070747002 20070510 WO2008GB01524 20080501

Probable Assignee: HALLIBURTON ENERGY SERV INC

Assignee(s): (std): CHATTERJI JITEN ; CROMWELL ROGER S ; CURTIS PHILIP ANTHONY ; RODDY CRAIG W ;
HALLIBURTON ENERGY SERV INC

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): CHATTERJI JITEN ; CROMWELL ROGER S ; RODDY CRAIG W

Inventor(s): ROGER S CROMWELL ; JITEN CHATTERJI ; CRAIG W RODDY

Agent(s): NORTON ROSE CANADA SENCRL SRL LLP; TURNER CRAIG ROBERT; CURTIS PHILIP ANTHONY ET AL

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 SV SY
SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0811119 A2	20170307	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BRPI0811119 A2	20170620	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CA2681606 AA	20081120	LSPB	+	published / reissued	
CA2681606 AA	20090922	LSES	+EEER	EXAMINATION REQUEST	
CA2681606 AA	20170612	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20170501
CA2681606 C	20121106	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2681606 C	20280501	PEXP		Calculated Patent Term Expiry	
EP2158288 A1	20100303	LSPB	+	published / reissued	
EP2158288 A1	20100303	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20091125
EP2158288 A1	20101117	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20101014
EP2158288 A1	20160406	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20151028
WO08139140 A1	20081120	LSPB	+	published / reissued	
WO08139140 A1	20090922	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2681606 COUNTRY OF REF DOCUMENT :

					CA
WO08139140 A1	20091111	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO08139140 A1	20141223	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0811119 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20091109

Title: CEMENT COMPOSITIONS AND METHODS UTILIZING NANO-HYDRAULIC CEMENT

Abstract: An exemplary method includes introducing a treatment fluid comprising nano-hydraulic cement into a subterranean formation. The treatment fluid may include a drilling fluid, a completion fluid, a stimulation fluid, a well clean-up fluid or a cement composition. Another example method comprises introducing a cement composition comprising nano-hydraulic cement, hydraulic cement, and water into a subterranean formation; and allowing the cementing composition to set in the subterranean formation. An example well treatment fluid comprises nano-hydraulic cement.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/04 C09K8/46 C09K8/70 C09K8/80 E21B43/04 (Advanced/Invention); C04B20/00 C04B28/00 C09K8/42 C09K8/60 E21B43/02 (Core/Invention)

CPC: C09K8/467 C04B7/527 C04B14/10 C04B18/067 C04B18/08 C04B20/10 C04B20/1011 C04B28/02 C04B28/04 C04B28/08 C04B2111/00146 C09K8/46 C09K8/473 C09K8/70 C09K8/80 C09K2208/10 E21B33/14 E21B43/04 Y02W30/92 Y02W30/94 Y02W30/95

Family:

Publication number	Publication date	Application number	Application date
AU2009321421 AA	20100603	AU20090321421	20091102
AU2009321421 BB	20130711	AU20090321421	20091102
CA2741824 AA	20100603	CA20092741824	20091102
CA2741824 C	20140429	CA20092741824	20091102
EP2362887 A2	20110907	EP20090751959	20091102
EP2465910 A1	20120620	EP20120159772	20091102
MX2011004542 A1	20110525	MX20110004542	20091102
WO10061162 A2	20100603	WO2009GB02596	20091102
WO10061162 A3	20100910	WO2009GB02596	20091102

Priority:

EP20090751959 20091102 US20080263954 20081103 WO2009GB02596 20091102

Probable Assignee: HALLIBURTON ENERGY SERV INC

Assignee(s): (std): HALLIBURTON ENERGY SERV INC ; RODDY CRAIG WAYNE ; TURNER CRAIG ROBERT

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): RODDY CRAIG WAYNE

Inventor(s): CRAIG WAYNE RODDY

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; NORTON ROSE OR SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; TURNER CRAIG ROBERT; TURNER CRAIG ROBERT ET AL

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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2009321421 AA	20100603	LSPB	+	published / reissued	
AU2009321421 BB	20130711	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2009321421 BB	20131107	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2009321421 BB	20291102	PEXP		Calculated Patent Term Expiry	
CA2741824 AA	20100603	LSPB	+	published / reissued	
CA2741824 AA	20110427	LSES	+EEER	EXAMINATION REQUEST	
CA2741824 C	20140429	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2741824 C	20291102	PEXP		Calculated Patent Term Expiry	
EP2362887 A2	20110907	LSPB	+	published / reissued	
EP2362887 A2	20110907	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20110602
EP2362887 A2	20131030	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20130927
EP2362887 A2	20171213	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20170707
EP2465910 A1	20120620	LSPB	+	published / reissued	
EP2465910 A1	20130213	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121220
EP2465910 A1	20130313	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20130214

MX2011004542 A1	20110525	LSPB	+	published / reissued	
MX2011004542 A1	20141029	LSGT	+FG	GRANT OR REGISTRATION	
WO10061162 A2	20100603	LSPB	+	published / reissued	
WO10061162 A2	20110427	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2741824 COUNTRY OF REF DOCUMENT : CA
WO10061162 A2	20110428	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009321421 COUNTRY OF REF DOCUMENT : AU
WO10061162 A2	20110503	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10061162 A2	20110519	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2009321421 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20091102 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO10061162 A2	20170829	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0921499 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20110503

Title: WELL TREATMENT COMPOSITIONS AND METHODS UTILIZING NANO-PARTICLES

Abstract: <p>Disclosed embodiments relate to well treatment fluids and methods that utilize nano-particles. Exemplary nano-particles are selected from the group consisting of particulate nano-silica, nano-alumina, nano-zinc oxide, nano-boron, nano-iron oxide, and combinations thereof. Embodiments also relate to methods of cementing that include the use of nano-particles. An exemplary method of cementing comprises introducing a cement composition into a subterranean formation, wherein the cement composition comprises cement, water and a particulate nano-silica. Embodiments also relate to use of nano-particles in drilling fluids, completion fluids, stimulation fluids, and well clean-up fluids.</p>

Classifications:

International (IPC 8-9): C04B18/16 C04B20/00 C04B28/02 C04B28/04 C04B28/08 C09K8/00 C09K8/03 C09K8/42 C09K8/46 C09K8/467 C09K8/473 C09K8/66 C09K8/68 C09K8/70 E21B33/13 E21B43/22 (Advanced/Invention)

CPC: C09K8/467 C04B20/008 C04B28/02 C09K8/032 C09K8/80 C09K2208/10 Y02W30/92 Y02W30/94 Y02W30/95 Y10S507/906 Y10S977/963

Family:

Publication number	Publication date	Application number	Application date
AU2010240744 AA	20101028	AU20100240744	20100318
BRPI1013317 A2	20160329	BR2010PI13317	20100318
CA2758311 AA	20101028	CA20102758311	20100318
CA2758311 C	20131224	CA20102758311	20100318
EP2421929 A1	20120229	EP20100709029	20100318
WO10122277 A1	20101028	WO2010GB00485	20100318

Priority:

US20090426645 20090420 WO2010GB00485 20100318

Probable Assignee: HALLIBURTON ENERGY SERV INC

Assignee(s): (std): CHATTERJI JITEN ; CROMWELL ROGER S ; CURTIS PHILIP ANTHONY ; HALLIBURTON ENERGY SERV INC ; HALLIBURTON ENERGY SERVICES INC ; RODDY CRAIG WAYNE

Inventor(s): (std): CROMWELL ROGER S ; JITEN CHATTERJI ; RODDY CRAIG WAYNE ; CHATTERJI JITEN ; WAYNE RODDY CRAIG

Inventor(s): CRAIG WAYNE RODDY ; ROGER S CROMWELL

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; NORTON ROSE CANADA SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; COTTRILL EMILY ELIZABETH HELEN; CURTIS PHILIP ANTHONY ET AL

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 ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2010240744 AA	20101028	LSPB	+	published / reissued	
AU2010240744 AA	20140612	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2) (E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
BRPI1013317 A2	20170117	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 7A ANUIDADE.
BRPI1013317 A2	20170523	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CA2758311 AA	20101028	LSPB	+	published / reissued	
CA2758311 AA	20111011	LSSES	+EEER	EXAMINATION REQUEST	
CA2758311 AA	20170501	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20170320
CA2758311 C	20131224	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2758311 C	20300318	PEXP		Calculated Patent Term Expiry	
EP2421929 A1	20120229	LSPB	+	published / reissued	
EP2421929 A1	20120229	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20111116
EP2421929 A1	20130710	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20130610
EP2421929 A1	20170315	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20161001

WO10122277 A1	20101028	LSPB	+	published / reissued	
WO10122277 A1	20111011	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2758311 COUNTRY OF REF DOCUMENT : CA
WO10122277 A1	20111020	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10122277 A1	20111117	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2010240744 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20100318 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO10122277 A1	20160329	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI1013317 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20111019

Title: WELL TREATMENT COMPOSITIONS AND METHODS UTILIZING NANO-PARTICLES

Abstract: Disclosed embodiments relate to well treatment fluids and methods that utilize nano-particles. Exemplary nano-particles are selected from the group consisting of particulate nano-silica, nano-alumina, nano-zinc oxide, nano-boron, nano-iron oxide, and combinations thereof. Embodiments also relate to methods of cementing that include the use of nano-particles. An exemplary method of cementing comprises introducing a cement composition into a subterranean formation, wherein the cement composition comprises cement, water and a particulate nano-silica. Embodiments also relate to use of nano-particles in drilling fluids, completion fluids, simulation fluids, and well clean-up fluids.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/00 C09K8/03 C09K8/46 C09K8/48 C09K8/487 C09K8/502 C09K8/504 C09K8/516 C4B20/00 C4B28/00 C9K8/46 C9K8/48 C9K8/487 C9K8/502 C9K8/504 C9K8/516 E21B43/22 (Advanced/Invention)
CPC: C09K8/032 B82Y30/00 C04B28/02 C04B2111/00008 C09K8/46 C09K8/502 C09K8/5045 C09K8/516 C09K2208/10

Family:

Publication number	Publication date	Application number	Application date
AU2013251467 AA	20131031	AU20130251467	20130426
BR112014026544 A2	20170627	BR20141126544	20130426
CA2870367 AA	20131031	CA20132870367	20130426
EA201491980 A1	20150227	EA20140091980	20130426
EP2841523 A1	20150304	EP20130720729	20130426
MX2014012972 A1	20150305	MX20140012972	20130426
WO13163504 A1	20131031	WO2013US38343	20130426

Priority:

US20120458112 20120427 WO2013US38343 20130426

Probable Assignee: HALLIBURTON ENERGY SERV INC

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

Assignee(s): THAEMLITZ CARL J ; RODDY CRAIG W ; HALLIBURTON ENERGY SERVICES INC10200 BELLAIRE BOULEVARDHOUSTONTX77072US ; BRENNEIS D CHAD ; CHATTERJI JITEN ; COVINGTON RICKY L

Inventor(s): (std): BRENNEIS D CHAD ; CHATTERJI JITEN ; COVINGTON RICKY L ; RODDY CRAIG W ; THAEMLITZ CARL J

Inventor(s): THAEMLITZ CARL JUS ; RODDY CRAIG WUS ; COVINGTON RICKY LUS ; CRAIG W RODDY ; D CHAD BRENNEIS ; JITEN CHATTERJI ; RICKY L COVINGTON ; CHATTERJI JITENUS ; BRENNEIS D CHADUS ; CARL J THAEMLITZ

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; FB RICE; FB RICE PTY LTD; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KING LAWRENCE; TUMEY COREY S

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2013251467 AA	20131031	LSPB	+	published / reissued	
AU2013251467 AA	20151224	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2)(E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
CA2870367 AA	20131031	LSPB	+	published / reissued	
CA2870367 AA	20141125	LSSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20141010
CA2870367 AA	20141128	LSSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20141010
EA201491980 A1	20150227	LSPB	+	published / reissued	
EP2841523 A1	20150304	LSPB	+	published / reissued	
EP2841523 A1	20150304	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20141017
EP2841523 A1	20161228	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20161118
MX2014012972 A1	20150305	LSPB	+	published / reissued	
WO13163504 A1	20131031	LSPB	+	published / reissued	
WO13163504 A1	20141010	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2870367 COUNTRY OF

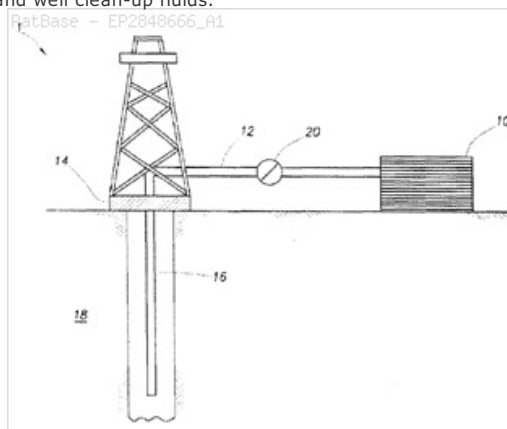
WO13163504 A1	20141023	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT : CA
WO13163504 A1	20141027	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013251467 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20130426 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO13163504 A1	20141126	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201491980 COUNTRY OF REF DOCUMENT : EA
WO13163504 A1	20170627	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112014026544 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20141023

Title: BOHRLOCHBEHANDLUNGSFLUESSIGKEITEN UND VERFAHREN MIT NANOPARTIKELN WELL TREATMENT FLUIDS AND METHODS UTILIZING NANO-PARTICLES

Abstract: Source: EP2848666A1 Well treatment fluids and methods that utilize nano-particles. Exemplary nano-particles are selected from the group consisting of particulate nano-silica, nano-alumina, nano-zinc oxide, nano-boron, nano-iron oxide, and combinations thereof. Embodiments also relate to methods of cementing that include the use of nano-particles. An exemplary method of cementing comprises introducing a cement composition into a subterranean formation, wherein the cement composition comprises cement, water and a particulate nano-silica. Embodiments also relate to use of nano-particles in drilling fluids, completion fluids, simulation fluids, fracturing fluids and well clean-up fluids.

Classifications:

International (IPC 8-9): C04B14/04 C04B20/00 C04B28/00 C04B28/02 C09K8/00 C09K8/02 C09K8/05 C09K8/42 C09K8/467 C09K8/62 C09K8/68 C09K8/80 E21B33/14 E21B43/26 E21B43/267 (Advanced/Invention); B82Y30/00 (Core/Invention)
CPC: C09K8/62 C04B28/02 C09K8/467 C09K8/685 C09K8/80 C09K8/805 C09K2208/10



Family:

Publication number	Publication date	Application number	Application date
AU2014224072 AA	20150326	AU20140224072	20140911
BR102014022538 A2	20151208	BR20141022538	20140911
CA2863283 AA	20150312	CA20142863283	20140912
EP2848666 A1	20150318	EP20140184678	20140912
MX2014011020 A1	20150501	MX20140011020	20140912

Priority:

US20130025638 20130912

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

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

Assignee(s): RODDY CRAIG WAYNE ; CHATTERJI JITEN ; CROMWELL ROGER STANLEY

Inventor(s): (std): CHATTERJI JITEN ; CHATTRERIJ JITEN ; CROMWELL ROGER STANLEY ; RODDY CRAIG WAYNE

Inventor(s): ROGER STANLEY CROMWELL ; JITEN CHATTERJI ; CRAIG WAYNE RODDY

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KING LAWRENCE

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2014224072 AA	20150326	LSPB	+	published / reissued	
AU2014224072 AA	20160211	LSLE	-MK5	APPLICATION LAPSED SECTION 142(2) (E) - PATENT REQUEST AND COMPL. SPECIFICATION NOT ACCEPTED	
BR102014022538 A2	20151208	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BR102014022538 A2	20170829	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	
BR102014022538 A2	20171219	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	
CA2863283 AA	20150312	LSPB	+	published / reissued	
CA2863283 AA	20170424	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20170313
EP2848666 A1	20150318	LSPB	+	published / reissued	
EP2848666 A1	20150318	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20140912

EP2848666 A1	20150805	LSWD	-18W	APPLICATION WITHDRAWN	EFFECTIVE DATE : 20150625
MX2014011020 A1	20150501	LSPB	+	published / reissued	

Title: METODO DE CEMENTADO Y COMPOSICION

Abstract: Source: AR087113A Se divulgan metodos y composiciones que comprenden perlita y cemento hidraulico triturados conjuntamente. Una realizacion provee un metodo de cementado que comprende: proveer una composicion fraguable que comprenda perlita, cemento hidraulico y agua, en donde la perlita y el cemento hidraulico se trituran conjuntamente antes de combinarlos con el agua para formar la composicion fraguable; y permitir que se fraguee la composicion fraguable.

Classifications:

International (IPC 8-9): C04B20/00 C04B20/02 C04B28/00 (Advanced/Invention)
CPC: C09K8/473 C04B20/026 C04B28/02 C04B28/021 C04B28/04 C04B28/06 C04B28/08 C04B28/14 C04B28/18 C04B2111/1037 C09K8/46 C09K8/48 C09K8/487 Y02W30/92 Y02W30/94 Y02W30/95

Family:

Publication number	Publication date	Application number	Application date
AR087113 AA	20140212	AR2012P102492	20120710

Priority:

US20110180238 20110711

Probable Assignee: HALLIBURTON ENERGY SERV INC
Assignee(s): (std): HALLIBURTON ENERGY SERV INC
Assignee(s): HALLIBURTON ENERGY SERVICES INC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR087113 AA	20140212	LSPB	+	published / reissued	

Title: WELL TREATMENT COMPOSITIONS AND METHODS UTILIZING NANO-PARTICLES

Abstract: Source: AU2015261738B Disclosed embodiments relate to well treatment fluids and methods that utilize nano-particles. Exemplary nanoparticles are selected from the group consisting of particulate nano-silica, nano-alumina, nano-zinc oxide, nano-boron, nano-iron oxide, and combinations thereof. Embodiments also relate to methods of cementing that include the use of nano-particles. An exemplary method of cementing comprises introducing a cement composition into a subterranean formation, wherein the cement composition comprises cement, water and a particulate nano-silica. Embodiments also relate to use of nano-particles in drilling fluids, completion fluids, simulation fluids, and well clean-up fluids.

Classifications:

International (IPC 8-9): B82B1/00 C04B20/00 C04B28/00 C09K8/03 C09K8/46 C09K8/48 C09K8/487 C09K8/502 C09K8/504 C09K8/516 (Advanced/Invention)

CPC: C09K8/032 B82Y30/00 C04B28/02 C04B2111/00008 C09K8/46 C09K8/502 C09K8/5045 C09K8/516 C09K2208/10

Family:

Publication number	Publication date	Application number	Application date
AR090782 AA	20141203	AR2013P101327	20130422
AU2015261738 AA	20151224	AU20150261738	20151130
AU2015261738 BB	20160915	AU20150261738	20151130

Priority:

AU20130251467 20130426 AU20150261738 20151130 US20120458112 20120427

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

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

Inventor(s): (std): BRENNEIS CHAD D ; CHATTERJI JITEN ; COVINGTON RICKY L ; RODDY CRAIG W ; THAEMLITZ CARL J

Agent(s): FISHER ADAMS KELLY CALLINANS; FB RICE; FB RICE PTY LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AR090782 AA	20141203	LSPB	+	published / reissued	
AU2015261738 AA	20151224	LSPB	+	published / reissued	
AU2015261738 AA	20170119	LSLE	-MK25	APPLICATION LAPSED REG. 22.2I(2) - FAILURE TO PAY ACCEPTANCE FEE	
AU2015261738 BB	20160915	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2015261738 BB	20351130	PEXP		Calculated Patent Term Expiry	

Title: CEMENT COMPOSITIONS AND METHODS UTILIZING NANO-HYDRAULIC CEMENT

Abstract: Source: GC3615A [0001] An exemplary method includes introducing a treatment fluid comprising nano-hydraulic cement into a subterranean formation. The treatment fluid may include a drilling fluid, a completion fluid, a stimulation fluid, a well clean-up fluid or a cement composition. Another example method comprises introducing a cement composition comprising nano-hydraulic cement, hydraulic cement, and water into a subterranean formation; and allowing the cementing composition to set in the subterranean formation. An example well treatment fluid comprises nano-hydraulic cement.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/04 C09K8/46 C09K8/70 C09K8/80 E21B43/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
AU2013206072 AA	20130620	AU20130206072	20130529
AU2013206072 BB	20150702	AU20130206072	20130529
AU2015215837 AA	20150910	AU20150215837	20150818
AU2015215837 BB	20161020	AU20150215837	20150818
GC3615 A	20150629	GC2009P014628	20091103

Priority:

AU20090321421 20091102 AU20130206072 20130529 US20080263954 20081103
AU20150215837 20150818

Probable Assignee: HALLIBURTON ENERGY SERV INC

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

Inventor(s): (std): RODDY CRAIG WAYNE

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; FB RICE; FB RICE PTY LTD; SULEIMAN I AL AMMAR
LAW OFFICE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AU2013206072 AA	20130620	LSPB	+	published / reissued	
AU2013206072 BB	20150702	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2013206072 BB	20151029	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2013206072 BB	20330529	PEXP		Calculated Patent Term Expiry	
AU2015215837 AA	20150910	LSPB	+	published / reissued	
AU2015215837 AA	20170216	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2015215837 BB	20161020	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2015215837 BB	20350818	PEXP		Calculated Patent Term Expiry	
GC3615 A	20150629	LSGT	+	granted / extensions (spc, cpc, pte)	
GC3615 A	20291103	PEXP		Calculated Patent Term Expiry	

Title: SUBTERRANEAN TREATMENT FLUIDS COMPRISING SUBSTANTIALLY HYDRATED CEMENT PARTICULATES

Abstract: Source: US2006166834A Fracturing fluids comprising a base fluid and substantially hydrated cement particulates. Methods of fracturing a subterranean formation comprising fracturing the subterranean formation so as to create or enhance one or more fractures in the subterranean formation; introducing a fracturing fluid comprising a base fluid and substantially hydrated cement particulates into the one or more fractures; and depositing at least a portion of the substantially hydrated cement particulates in the one or more fractures in the subterranean formation. Methods of gravel packing comprising providing a gravel packing fluid comprising a base fluid and substantially hydrated cement particulates, introducing the gravel packing fluid into a subterranean formation, and depositing at least a portion of the substantially hydrated cement particulates in the subterranean formation so as to form a gravel pack. Gravel packing fluids that comprise a base fluid, and gravel comprising substantially hydrated cement particulates.

Classifications:

International (IPC 8-9): C04B18/16 C04B20/02 C04B28/02 C09K8/00 C09K8/46 E21B33/13 (Advanced/Invention);

E21B43/00 (Advanced/Non-invention);

C04B18/04 C04B20/00 C04B28/00 C09K8/00 C09K8/42 E21B33/13 (Core/Invention);

E21B43/00 (Core/Non-invention)

US: 507/140

Family:

Publication number	Publication date	Application number	Application date
US2006166834 AA	20060727	US20060388645	20060324

Priority:

US20040775348 20040210 US20060388645 20060324

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): HALLIBURTON ENERGY SERV INC

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): RODDY CRAIG W

Inventor(s): RODDY CRAIG

Agent(s): CRAIG W RODDY HALLIBURTON ENERGY SERVICES

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Patent	Date recorded	Event group	Code	Event	Details
US2006166834 AA	20060727	LSPB	+	published / reissued	
US2006166834 AA	20060324	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HALLIBURTON ENERGY SERVICES, INC., UNITED KINGDOM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:RODDY, CRAIG W.; REEL/FRAME:017687/0272 EFFECTIVE DATE : 20060323
US2006166834 AA	20080122	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HALLIBURTON ENERGY SERVICES, INC., TEXAS OLDPARTY : RE-RECORD TO CORRECT A DOCUMENT PREVIOUSLY RECORDED AT REEL 017687, FRAME 0272. (ASSIGNMENT OF ASSIGNOR'S INTEREST); ASSIGNOR:RODDY, CRAIG W.; REEL/FRAME:020414/0552 EFFECTIVE DATE : 20060323
US2006166834 AA	20150820	LSWD	-ABD2	Abandoned - - Failure to Pay Issue Fee	

Title: WELL TREATMENT COMPOSITIONS AND METHODS UTILIZING NANO-PARTICLES

Abstract: Source: US2012211227A Disclosed embodiments relate to well treatment fluids and methods that utilize nano-particles. Exemplary nano-particles are selected from the group consisting of particulate nano-silica, nano-alumina, nano-zinc oxide, nano-boron, nano-iron oxide, and combinations thereof. Embodiments also relate to methods of cementing that include the use of nano-particles. An exemplary method of cementing comprises introducing a cement composition into a subterranean formation, wherein the cement composition comprises cement, water and a particulate nano-silica. Embodiments also relate to use of nano-particles in drilling fluids, completion fluids, simulation fluids, and well clean-up fluids.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/02 C04B28/08 C09K8/03 C09K8/42 C09K8/46 C09K8/473 C09K8/487 C09K8/502 C09K8/504 C09K8/516 E21B23/00 E21B43/16 (Advanced/Invention); C04B111/00 (Advanced/Non-invention)

CPC: C04B20/008 C04B28/02 C04B28/08 C09K8/032 C09K8/46 C09K8/473 C09K8/487 C09K8/502 C09K8/5045 C09K8/516 C04B2111/00146 C09K2208/10 Y02W30/92 Y02W30/94 Y02W30/95 C04B14/047 C04B14/062 C04B14/08 C04B14/104 C04B14/108 C04B18/08 C04B18/141 C04B18/162 C04B20/0024 C04B24/36 C04B24/42 C04B38/10 C04B14/30 C04B14/303 C04B14/308 C04B14/368

US: 1/1 166/279 166/381 977/773

Family:

Publication number	Publication date	Application number	Application date
US2012211227 AA	20120823	US20120458112	20120427
US9199879 BB	20151201	US20120458112	20120427

Priority:

US20070747002 20070510 US20080263954 20081103 US20120458112 20120427
US20090567782 20090927

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): BRENNEIS D CHAD ; CHATTERJI JITEN ; COVINGTON RICKY L ; HALLIBURTON ENERGY SERVICES INC ; HALLIBURTON ENERGY SERV INC ; RODDY CRAIG W ; THAEMLITZ CARL J

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): THAEMLITZ CARL J ; RODDY CRAIG W ; COVINGTON RICKY L ; CHATTERJI JITEN ; BRENNEIS D CHAD

Agent(s): CRAIG W; TUMEY LLP

Legal status (INPADOC)

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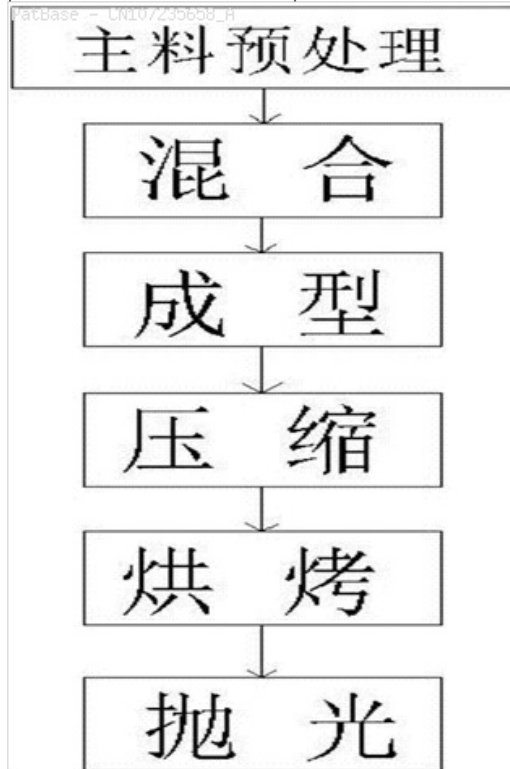
Patent	Date recorded	Event group	Code	Event	Details
US2012211227 AA	20120823	LSPB	+	published / reissued	
US2012211227 AA	20120427	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : HALLIBURTON ENERGY SERVICES, INC., TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:THAEMLITZ, CARL J.; RODDY, CRAIG W.; COVINGTON, RICKY L.; AND OTHERS; SIGNING DATES FROM 20120423 TO 20120425; REEL/FRAME:028120/0482
US9199879 BB	20151201	LSGT	+	granted / extensions (spc, cpc, pte)	
US9199879 BB	20151027	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US9199879 BB	20151111	LSGT	PAT1	Patented Case	
US9199879 BB	20320427	PEXP		Calculated Patent Term Expiry	

Title: MANUFACTURING METHOD OF HIGH-HARDNESS HIGH-STRENGTH ARTIFICIAL QUARTZ DECORATIVE PANEL

Abstract: Source: CN107235658A The invention discloses a manufacturing method of a high-hardness high-strength artificial quartz decorative panel. The manufacturing method comprises a quartz formula and a panel manufacturing process. The invention has the beneficial effects that the high hardness, high strength, high gloss, flame retardance, heat resistance and abrasive resistance of the panel are promoted; especially, the nanometer gaseous silicon dioxide and the alkali-resistant glass fiber are added, so that the strength and hardness are promoted; the two matters added for finally preparing a section bar cannot be distinguished; the method is firstly mentioned in the patent document; when the blank is vibrated and formed, the rolling while flattening and adding of materials are performed; the repeated rolling forming can guarantee the uniform thickness and hardness of all the parts of the blank; the final finished product is standard and all the parts are uniform.

Classifications:

International (IPC 8-9): B28B1/08 B28B3/00 B28B3/02 B28B3/12
C04B14/06 C04B14/44 C04B20/00 C04B26/06
C04B26/14 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN107235658 A	20171010	CN201710343886	20170516

Priority:

CN201710343886 20170516

Probable Assignee: SHANGHAI ZHENGLIN ELECTROMECHANICAL AUTOMATION EQUIPMENT CO LTD

Assignee(s): (std): SHANGHAI ZHENGLIN ELECTROMECHANICAL AUTOMATION EQUIPMENT CO LTD

Assignee(s): SHANGHAI IS ADJACENT ELECTROMECHANICAL AUTOMATION EQUIPMENT CO LTD ; SHANGHAI ZHENGLIN ELECTROMECHANICAL AUTOMATION EQUIPMENT CO

Inventor(s): (std): TIAN YE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107235658 A	20171010	LSPB	+	published / reissued	
CN107235658 A	20171010	LSPB	PB01	PUBLICATION	

Title: ASPHALT CONCRETE ADDITIVES FOR ROAD PAVEMENT WITH IMPROVED FREEZING SUPPRESSION EFFECT, MANUFACTURING METHOD THEREOF, AND ASPHALT CONCRETE COMPOUND INCLUDING SAME

Abstract: Source: KR101780347B The present invention performs construction by mixing asphalt concrete additives for road pavement having an improved freezing suppression effect with an asphalt concrete compound used in road pavement. By the above, the asphalt concrete additives for road pavement with the improved freezing suppression effect and the asphalt concrete compound including the same can effectively reduce problems generated by a phenomenon in which the surface of a road is frozen by snow or rain falling in winter. The present invention can: prevent a slip accident by reducing a phenomenon of the surface of a road being frozen by snow or rain falling in winter; prevent the corrosion of metal and concrete caused by chloride ion (Cl-) by not including chloride as additives and prevent environment pollution such as soil pollution and water pollution; and provide asphalt concrete having an improved slip resistance function while maintaining unique properties of asphalt concrete by including asphalt concrete additives for road pavement with an improved freezing suppression effect including inorganic salts, porous materials, and organic acids in the asphalt concrete compound. A manufacturing method of the present invention comprises: a pulverizing step of pulverizing inorganic salt including at least one from a group of carbonates, nitrates, alkali metal salts, and silicates; a dissolving step of dissolving a mixture of the power type inorganic salt and a porous body in a solvent; a solvent removing step of removing the solvent used in the dissolving step; a firing step of performing firing by adding heat to the solvent-removed mixture; a spraying step of spraying an organic acid solution containing an organic acid onto the fired mixture; a drying step of drying the mixture sprayed with the organic acid solution; and a crushing step of crushing the dried mixture.

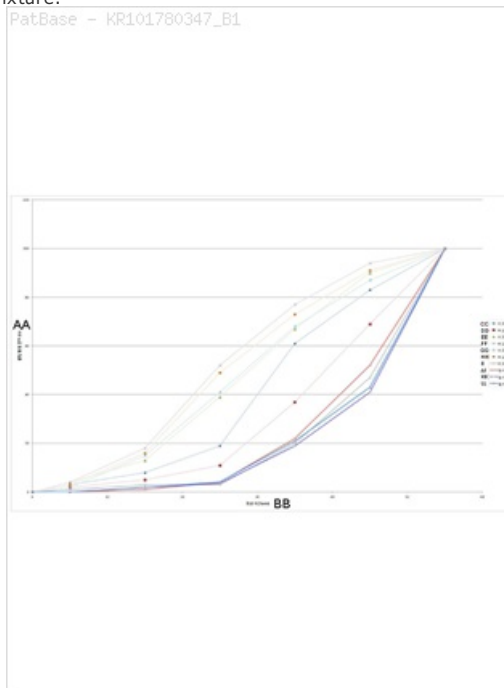
Classifications:

International (IPC 8-9): C04B20/00 C04B24/04 C04B26/26

E01C11/24 (Advanced/Invention);

C04B111/00 (Advanced/Non-invention)

CPC: C04B20/002 C04B14/18 C04B24/04 C04B26/26 E01C11/245 C04B211/0075



Family:

Publication number	Publication date	Application number	Application date
KR101780347 B1	20171010	KR20170043258	20170403

Priority:

KR20170043258 20170403

Probable Assignee:

A ONE ROAD CO LTD

Assignee(s): (std):

A ONE ROAD CO LTD

Assignee(s):

LTD EYIWON LOAD ; A ONE ROAD CO

Inventor(s): (std):

HONG SANG IL ; JANG JONG WOO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101780347 B1	20171010	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101780347 B1	20170914	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101780347 B1	20370403	PEXP		Calculated Patent Term Expiry	

Title: FINE AGGREGATE, AND METHOD FOR PRODUCING AGGREGATE

Abstract: Source: JP2017171525A PROBLEM TO BE SOLVED: To provide a fine aggregate usable as the raw material for a cement hardened body even if a water absorption percentage is relatively high, and further, to provide a method for producing the fine aggregate.SOLUTION: Provided is a fine aggregate forming a cement hardened body by being kneaded with cement and water, in which a water absorption percentage is 2 percent or more, the ratio with a grain size of 0.15 mm or lower is 0 mass percent, the ratio with a grain size above 0.15 to 0.6 mm is 40 mass percent or lower, and the ratio with a grain size above 5 mm is 0 mass percent.SELECTED DRAWING: None

Classifications:

International (IPC 8-9): C04B14/02 C04B20/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017171525 A2	20170928	JP20160058087	20160323

Priority:

JP20160058087 20160323

Probable Assignee: SUMITOMO OSAKA CEMENT CO LTD

Assignee(s): (std): SUMITOMO OSAKA CEMENT CO LTD

Inventor(s): (std): KOTABE YUICHI ; NAKAJIMA YUICHI

Legal status (INPADOC)

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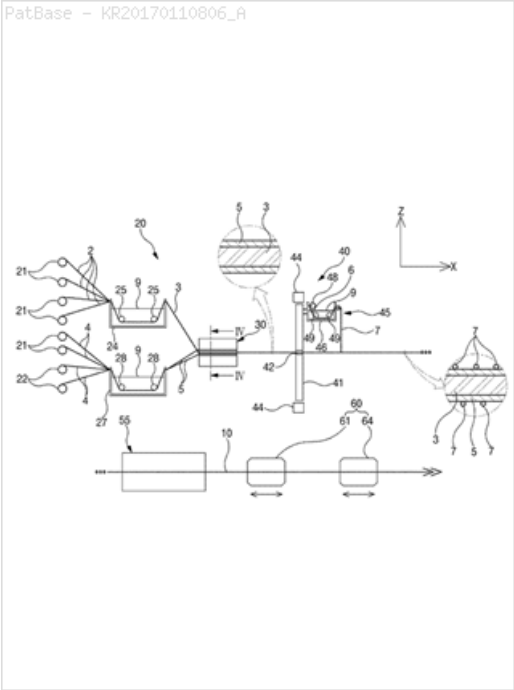
Patent	Date recorded	Event group	Code	Event	Details
JP2017171525 A2	20170928	LSPB	+	published / reissued	

Title: COMPOSITE REBAR FOR CONCRETE AND METHOD FOR MANUFACTURING THE SAME

Abstract: Source: KR20170110806A Disclosed is a composite material rebar for concrete, which replaces rebar for reinforcing a structure by being arranged inside a concrete structure, and a manufacturing method thereof. The disclosed composite material rebar for concrete comprises: a cured resin; a first core comprising a strand of one type of fiber selected from glass fibers and carbon fibers disposed in the cured resin; a second core surrounding the first core, and comprising cured resin and a strand of another type of fiber selected from glass fibers and carbon fibers disposed in the cured resin; and a spiral filament winding the outer circumferential surface of the second core along a spiral path and comprising a strand made of glass fibers or carbon fibers.

Classifications:

International (IPC 8-9): C04B14/38 C04B14/42 C04B16/12
C04B20/00 C04B20/10 E04C5/07 (Advanced/Invention)
CPC: C04B20/0068 C04B14/38 C04B14/386 C04B14/42 C04B16/12
C04B20/10 E04C5/07 E02D2300/0053 E02D2300/0068



Family:

Publication number	Publication date	Application number	Application date
KR20170110806 A	20171012	KR20160035034	20160324

Priority:

KR20160035034 20160324

Probable Assignee:

TRON CO LTD

Assignee(s): (std):

TRON CO LTD

Assignee(s):

TRON CO

Inventor(s): (std):

CHO HEE KEUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR20170110806 A	20171012	LSPB	+	published / reissued	
KR20170110806 A	20160324	LSSES	A201	REQUEST FOR EXAMINATION	
KR20170110806 A	20170419	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20170110806 A	20170821	LSRE	AMND	AMENDMENT	
KR20170110806 A	20171117	LSRV	-E601	DECISION TO REFUSE APPLICATION	

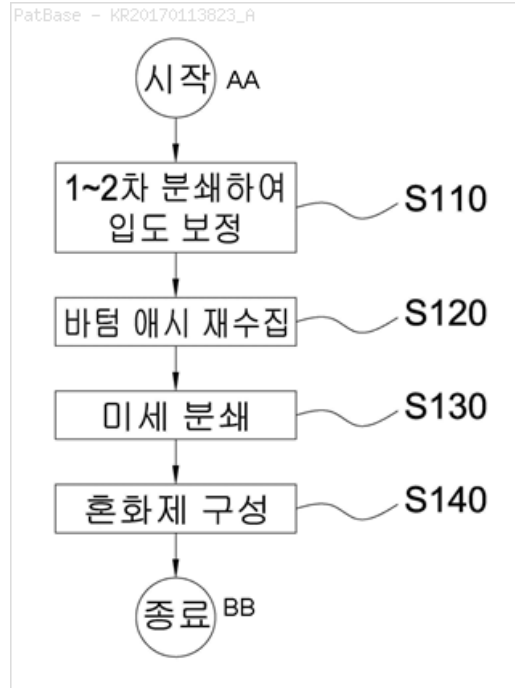
Title: METHOD FOR MANUFACTURING CONCRETE ADMIXTURE USING BOTTOM ASH AND CONCRETE ADMIXTURE MANUFACTURED BY METHOD

Abstract: Source: KR20170113823A Disclosed are a method for manufacturing a concrete admixture using bottom ash contained in a waste of a thermal power plant, and a concrete admixture manufactured by the method. The method manufactures the concrete admixture by performing the following steps: classifying the bottom ash and firstly or secondarily pulverizing at least one of a hammer, an impact, a roll pulverizer, and a roller press to supply lightweight aggregate; and finely pulverizing bottom ash which cannot be used as lightweight aggregate and the firstly or secondarily pulverized bottom ash into 70 percent of a fine powder or lower of a sieve residue powder having the particle size of 45 micro m by using a mill pulverizer. According to the present invention, a bottom ash lump can be used to provide the concrete admixture or lightweight aggregate. According to the present invention, it is possible to recycle the bottom ash, which is waste of a thermal power plant, by almost 100 percent.

Classifications:

International (IPC 8-9): C04B18/06 C04B20/00 C04B20/02 (Advanced/Invention)

CPC: C04B18/06 C04B20/008 C04B20/026



Family:

Publication number	Publication date	Application number	Application date
KR20170113823 A	20171013	KR20160036395	20160326

Priority:

KR20160036395 20160326

Probable Assignee: GREEN ENV CO LTD

Assignee(s): (std): GREEN ENV CO LTD

Assignee(s): GREEN ENVIRONMENT CO ; GREEN ENVIRONMENT CO LTD ; CO LTD GREEN ENVIRONMENT

Inventor(s): (std): IM DAE BEEN ; IM MYEONG SUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR20170113823 A	20171013	LSPB	+	published / reissued	
KR20170113823 A	20160326	LSSES	A201	REQUEST FOR EXAMINATION	
KR20170113823 A	20170419	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20170113823 A	20171023	LSRV	-E601	DECISION TO REFUSE APPLICATION	

Title: CEMENT MIXED ARTICLE, METHOD FOR FORMING CEMENT MIXED ARTICLE

Abstract: Source: JP2017178730A PROBLEM TO BE SOLVED: To provide a cement mixed article capable of forming a cement cured body having good flowability and good strength even when using a light weight aggregate.SOLUTION: There is provided a cement mixed article by mixing cement, a light weight aggregate and water, the cement is constituted by normal Portland cement and high early strength Portland cement, mass percentage of the normal Portland cement to total mass of the normal Portland cement and the high early strength Portland cement is 60 mass percent to 80 mass percent and mass percentage of water to mass of a powder material containing cement is 29 mass percent to 34 mass percent.SELECTED DRAWING: None

Classifications:

International (IPC 8-9): C04B14/02 C04B20/00 C04B28/04 C04B7/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017178730 A2	20171005	JP20160070956	20160331

Priority:

JP20160070956 20160331

Probable Assignee: SUMITOMO OSAKA CEMENT CO LTD

Assignee(s): (std): SUMITOMO OSAKA CEMENT CO LTD

Inventor(s): (std): SAITO TAKASHI ; TSUCHIYA TAKASHI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017178730 A2	20171005	LSPB	+	published / reissued	

Title: SELF LEVELING MORTAR

Abstract: Source: JP2017178754A PROBLEM TO BE SOLVED: To provide a cement-based self leveling mortar suitable for application with ultrathin application thickness, for example 5 mm or less.SOLUTION: There is provided a self leveling mortar containing Portland cement of 100 pts.mass, a cellulose derivative with viscosity at 20 degrees centigrade of 1500 to 15000 mPa s of 0.2 to 0.5 pt.mass, a fiber with length of 1 to 5 mm of 0.1 to 0.3 pt.mass, a water reducing agent of 0.5 to 1.0 pt.mass, an expansive admixture of 4.0 to 12.0 pts.mass, a dry shrinkage reduction agent of 0.5 to 1.5 pts.mass and limestone fine aggregate with particle diameter of over 150 micro m (a) and limestone fine aggregate with particle diameter of 150 micro m or less (beta) of 150 to 220 pts.mass with mass ratio (beta)/(a) of 0.7 to 2.0.SELECTED DRAWING: None

Classifications:

International (IPC 8-9): C04B14/28 C04B14/42 C04B16/06 C04B20/00 C04B22/06 C04B22/10 C04B24/26 C04B24/38 C04B28/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017178754 A2	20171005	JP20160073183	20160331

Priority:

JP20160073183 20160331

Probable Assignee: TAIHEIYO MAT KK

Assignee(s): (std): TAIHEIYO MAT KK ; TAIHEIYO MATERIALS CORP

Assignee(s): TAIHEIYO MATERIAL KK

Inventor(s): (std): HOSONO KATSUO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017178754 A2	20171005	LSPB	+	published / reissued	

Title: COMPOSITION FOR HIGH TEMPERATURE INSULATING REFRACTORY AND HIGH TEMPERATURE INSULATING REFRACTORY USING SAME

Abstract: Source: KR101788276B The present invention provides a high temperature insulating refractory which includes a refractory hollow ball comprising a modified fly ash balloon and an alumina bubble; and a binder comprising ammonium silicate and polychlorinated aluminum. The modified fly ash balloon has a surface treated with aluminum chloride (AlCl₃) and hydraulic alumina powder after acid treatment.

Classifications:

International (IPC 8-9): C04B18/08 C04B20/00 C04B35/66 (Advanced/Invention)

CPC: C04B35/66 C04B18/08 C04B20/002 C04B20/023 C04B20/1055 C04B20/1066 C04B28/24

Family:

Publication number	Publication date	Application number	Application date
 KR101788276 B1	20171019	KR20160161247	20161130

Priority:

KR20160161247 20161130

Probable Assignee: INTEC CO LTD

Assignee(s): (std): INTEC CO LTD

Assignee(s): INTEC CO

Inventor(s): (std): HAN KI HYUN ; KIM HYO JOON ; KIM IN SOOL ; KIM YOUNG SUB

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101788276 B1	20171019	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101788276 B1	20170820	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101788276 B1	20170924	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101788276 B1	20171013	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101788276 B1	20361130	PEXP		Calculated Patent Term Expiry	

Title: CONCRETE MATERIAL FOR HIGHWAY SPEED BUMP AND PREPARATION METHOD THEREOF

Abstract: Source: CN107265972A The invention relates to a concrete material for a highway speed bump and a preparation method thereof and belongs to the technical field of highway engineering materials. The method is characterized by comprising the following steps: firstly, screening ceramsites, thereby acquiring the ceramsites of different levels as aggregates; pre-wetting the acquired ceramsites; mixing cement, ceramsites and water at a certain mass ratio of (10-20):(70-86):(4-10)) and uniformly stirring; and forming and curing the stirred mixture, thereby acquiring a novel ceramsite concrete speed bump material. The speed bump material has the advantages of simple preparation process, low requirement on production equipment, wide application in common highways and high-grade highways and wide application prospect.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107265972 A	20171020	CN201710448238	20170614

Priority:

CN201710448238 20170614

Probable Assignee: TAIYUAN UNIV OF SCIENCE AND TECHNOLOGY

Assignee(s): (std): TAIYUAN UNIV OF SCIENCE AND TECHNOLOGY

Inventor(s): (std): BAI PINBO ; CHAI YUESHENG ; HAO JIANYING ; LI GUOMIN ; LI ZHANGANG ; LIANG LIPING ; TIAN YUMING ; WANG KAIYUE ; WU YAQIAO ; ZHOU YI ; ZHU BAOSHUN ; ZOU XINWEI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107265972 A	20171020	LSPB	+	published / reissued	
CN107265972 A	20171020	LSPB	PB01	PUBLICATION	

Title: DECORATIVE MATERIAL WITH METHANAL DECOMPOSITION FUNCTION, AND PREPARATION METHOD OF DECORATIVE MATERIAL

Abstract: Source: CN107265928A The invention discloses a decorative material with a methanal decomposition function, which comprises the following components in parts by weight: 10-30 parts of modified kieselguhr, 3-10 parts of sericite powder, 5-10 parts of crack-resistant cellulose, 3-8 parts of hydrophobic powder, 20-50 parts of powder filler, 3-10 parts of vinyl acetate-acrylic emulsion, 5-10 parts of titanium dioxide, 2-5 parts of dispersible adhesive powder, 20-40 parts of gel material, 2-10 parts of dehydration catalyst, 0.5-1.5 parts of dispersion medium, 10-18 parts of nano titanium oxide, 1-4 parts of modifier, 3-10 parts of carbonizer and 0.5-3.5 parts of flame retardant. According to the kieselguhr adsorbing decorative material and a preparation method of the decorative material, the prepared decorative material can purify indoor air and ensure human health; nano titanium oxide particles are added, so that the methanal adsorption capacity of the decorative material is improved; and nano titanium oxide is a high-efficiency photocatalyst material, has good photocatalytic activity, and can rapidly decompose an organic matter under an illumination condition.

Classifications:

International (IPC 8-9): C04B14/08 C04B20/00 C04B22/06 C04B26/28 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107265928 A	20171020	CN201710479304	20170622

Priority:

CN201710479304 20170622

Probable Assignee: HEFEI CONGHENG NEW BUILDING MATERIAL TECH CO LTD

Assignee(s): (std): HEFEI CONGHENG NEW BUILDING MATERIAL TECH CO LTD

Assignee(s): HEFEI CONGHENG NEW BUILDING MATERIAL TECHNOLOGY CO ; HEFEI CONGHEN NEW BUILDING MATERIALS TECHNOLOGY CO LTD

Inventor(s): (std): ZHANG RUI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107265928 A	20171020	LSPB	+	published / reissued	
CN107265928 A	20171020	LSPB	PB01	PUBLICATION	

Title: COMPOSITE SOUND-ABSORBING PLATE MATERIAL

Abstract: Source: CN107265996A The invention discloses a composite sound-absorbing plate material. The composite sound-absorbing plate material comprises the following raw materials in parts by weight: 50 to 80 parts of polystyrene granules, 90 to 120 parts of expanded perlite, 20 to 35 parts of basalt wool, 10 to 18 parts of mineral wool, 6 to 20 parts of modified gypsum powder, 5 to 12 parts of polyester fiber, 3 to 9 parts of nano-hollow microspheres, 1 to 5 parts of shell powder, 6 to 8 parts of sodium benzene sulfonate and 10 to 20 parts of butyronitrile rubber latex, wherein the modified gypsum comprises the following raw materials in parts by weight: 50 to 70 parts of gypsum powder, 10 to 20 parts of attapulgite, 20 to 32 parts of glycerol, 5 to 10 parts of dibutyl maleate and 3 to 8 parts of water. The composite sound-absorbing plate material provided by the invention has good environment-protecting, flame-retardant and heat-insulating effects, and has high sound-absorbing and noise-reducing properties.

Classifications:

International (IPC 8-9): C04B14/18 C04B14/46 C04B16/06 C04B16/08 C04B20/00 C04B28/14 C04B38/08 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107265996 A	20171020	CN201710471987	20170620

Priority:

CN201710471987 20170620

Probable Assignee: FEIXI BITAO BUILDING MAT CO LTD

Assignee(s): (std): FEIXI BITAO BUILDING MAT CO LTD

Assignee(s): FEIXI BITAO BUILDING MATERIAL CO ; FEIXI COASTLINE BUILDING MATERIALS CO

Inventor(s): (std): YU KEBO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107265996 A	20171020	LSPB	+	published / reissued	
CN107265996 A	20171020	LSPB	PB01	PUBLICATION	

Title: POLYMER MORTAR COMPOSITION HAVING ELVAN STONE, CONSTRUCTION MATERIALS COMPRISING SAME, AND ECO-FRIENDLY CONCRETE REPAIRING AND REINFORCING METHOD USING POLYMER MORTAR COMPOSITION

Abstract: Source: KR101789052B The present invention relates to a polymer mortar composition having elvan stones which comprises 20-50 wt percent of cement, 40-70 wt percent of elvan stones, 1-5 wt percent of silica fume, 1-5 wt percent of blowing agents, and 1-5 wt percent of polymer powder. The mortar composition according to the present invention is able to efficiently adsorb various kinds of harmful gases besides formaldehyde which can be generated in operation, neutralizes a strong alkaline property of a cement, emits far infrared rays to improve workability of workers, and promotes metabolism of a human body by far infrared rays emitted from the elvan stones contained in the mortar to provide an excellent effect on recovery from fatigue, a sound sleep, and the activation of blood circulation. In addition, the mortar composition having such properties, according to the present invention, can be used in water supply facilities, sewage treating plants, concrete structure in coast, and even in repairing concrete exposed to contamination sources such as vehicle exhaust. The mortar composition can be applied to repairing and reinforcing concrete structures including houses, villas, apartment complex, hospitals, and the like, which closely relate to human, or the mortar composition can be applied to construction materials.

Classifications:

International (IPC 8-9): C04B14/04 C04B14/30 C04B14/42 C04B18/06 C04B18/14 C04B20/00 C04B22/00 C04B24/28 C04B28/02 E04G23/02 (Advanced/Invention); C04B111/72 (Advanced/Non-invention)

CPC: C04B14/04 C04B14/303 C04B14/42 C04B18/06 C04B18/146 C04B20/0076 C04B22/008 C04B24/283 C04B28/02 E04G23/02 C04B211/72

Family:

Publication number	Publication date	Application number	Application date
 KR101789052 B1	20171023	KR20170077066	20170619

Priority:

KR20170077066 20170619

Probable Assignee: HANILCON CORPRATION
Assignee(s): (std): CHO JUNG HYUN ; HANILCON CORPRATION
Assignee(s): JOJEONGHYEON ; ONE DAY CON CO LTD
Inventor(s): (std): CHO JUNG HYUN

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Patent	Date recorded	Event group	Code	Event	Details
KR101789052 B1	20171023	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101789052 B1	20171012	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101789052 B1	20171017	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101789052 B1	20370619	PEXP		Calculated Patent Term Expiry	

Title: HYDROPHOBIC ROCK WOOL CORE

Abstract: Source: CN107285729A The invention provides a hydrophobic rock wool core which respectively comprises the following components in parts by mass: 33-47 parts of mineral fibers, 13-19 parts of nano-silica, 7-12 parts of vegetable oil and 11-16 parts of a filler, wherein the filler respectively comprises the following components in parts by mass: 3-6 parts of porcelain glaze and 7-12 parts of non-woven fabrics. The hydrophobic rock wool core disclosed by the invention has excellent fireproof and hydrophobic properties and is applicable in cost, easy to popularize and process, light in mass and convenient to transport and mount.

Classifications:

International (IPC 8-9): C04B14/46 C04B20/00 C04B24/08 C04B30/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107285729 A	20171024	CN201710471236	20170620

Priority:

CN201710471236 20170620

Probable Assignee: ANHUI RUILIAN ENERGY SAVING SCIENCE AND TECH CO LTD

Assignee(s): (std): ANHUI RUILIAN ENERGY SAVING SCIENCE AND TECH CO LTD

Assignee(s): ANHUI RUILIAN ENERGY SAVING SCIENCE AND TECHNOLOGY CO ; ANHUI RUI ENERGY SAVING TECHNOLOGY CO LTD

Inventor(s): (std): FAN WEI ; WANG ZHUANG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107285729 A	20171024	LSPB	+	published / reissued	
CN107285729 A	20171024	LSPB	PB01	PUBLICATION	

Title: A porous fiber modified concrete (Machine translation)

Abstract: Source: CN107304113A The present invention relates to a method for cement-based materials, porous fiber modified concrete. The porous fibrous material by a certain percentage added to the concrete or mortar, after sufficiently stirred to prepare a fiber-containing porous concrete. The porous fiber concrete has good fire proof performance, anti-crack properties, seepage performance, frost resistance, impact resistance, anti-wear properties, is an ideal construction material.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107304113 A	20171031	CN201610262397	20160425

Priority:

CN201610262397 20160425

Probable Assignee:

JIANG SHOUCHUN

Assignee(s):

JIANG SHOUCHUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107304113 A	20171031	LSPB	+	published / reissued	
CN107304113 A	20171031	LSPB	PB01	PUBLICATION	

Title: ACCELERATING SET TIMES OF FLOWABLE FILL COMPOSITIONS WITH DRY CALCIUM CHLORIDE, AND METHODS OF UTILIZING AND PRODUCING THE SAME

Abstract: Source: US9802863B Fast-setting Portland cement compositions for filling voids, such as mine shafts and excavated utility trenches, are described. The Portland cement compositions set quickly and are useful when traditional slow setting compositions are less desirable. The acceleration of the set time results from the addition of dry calcium chloride to the Portland cement composition. The compositions consist of Portland cement, dry calcium chloride, water and sometimes preformed cellular foam. Some compositions can include also include fly ash. The compositions may have a compressive strength of between 0 psi and 30 psi after 4 hours, a compressive strength of between 30 psi and 120 psi after 24 hours, a compressive strength of between 200 psi and 500 psi after 28 days, a penetration resistance of between 0.1 tsf and 5 tsf after 10 hours, a penetration resistance of between 0.8 tsf and 10 tsf after 24 hours, and a removability modulus of between 0.2 and 1.0 after 28 days. Also disclosed are methods of filling a void with fast-setting Portland cement.

Classifications:

International (IPC 8-9): C04B18/08 C04B20/00 C04B22/12 C04B28/04 (Advanced/Invention);
C04B103/12 C04B111/00 (Advanced/Non-invention)

CPC: C04B22/124 C04B18/08 C04B20/0008 C04B28/04 C04B2103/12 C04B2111/0075 C04B2111/00663

Family:

Publication number	Publication date	Application number	Application date
US9802863 BA	20171031	US20170453452	20170308

Priority:

US20160305859P 20160309 US20170453452 20170308

Probable Assignee: FLASHFILL SERVICES LLC

Assignee(s): (std): FLASHFILL SERVICES LLC ; GEAL III GEORGE CLARENCE ; PETERS STANLEY R

Inventor(s): (std): GEAL III GEORGE CLARENCE ; PETERS STANLEY R

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US9802863 BA	20171031	LSGT	+	granted / extensions (spc, cpc, pte)	
US9802863 BA	20170717	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : FLASHFILL SERVICES, LLC, COLORADO OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GEAL, GEORGE CLARENCE, III; PETERS, STANLEY R.; REEL/FRAME:043024/0523 EFFECTIVE DATE : 20170717
US9802863 BA	20171011	LSGT	PAT1	Patented Case	
US9802863 BA	20370308	PEXP		Calculated Patent Term Expiry	

Title: CONCRETE COMPOSITION FOR EXHIBITION FACILITIES AND MANUFACTURING METHOD OF ARTIFICIAL ROCK FOR EXHIBITION FACILITIES MANUFACTURED BY INCLUDING SAME

Abstract: Source: KR101791412B The present invention provides: a concrete composition which includes 5-30 parts by weight of a water-based foam bit, 10-1,000 parts by weight of aggregate, 1-10 parts by weight of a lightweight material, 5-30 parts by weight of nanoceramic particles, 10-50 parts by weight of polymer resin, 10-80 parts by weight of fibers, 0.1-10 parts by weight of a silane compound, 1-8 parts by weight of a defoamer, 3-40 parts by weight of a filler, 1-5 parts by weight of octyltriethoxysilane, and 0.01-10 parts by weight of a high performance water-reducing agent based on 100 parts by weight of cement; and an artificial rock manufacturing method for exhibition facilities including the same. The concrete composition according to the present invention can: accelerate a strength enhancement and a cure rate; maintain a high degree of water tightness; increase the strength of concrete by excellent crack resistance, freeze-thaw stability, and void filling ability; prevent erosion by acid and alkali; and prevent environmental pollution since the concrete composition does not contain chloride.

Classifications:

International (IPC 8-9): B28B1/14 C04B14/42 C04B14/46 C04B20/00 C04B24/42 C04B28/02 (Advanced/Invention); C04B111/54 (Advanced/Non-invention)

CPC: C04B20/0068 B28B1/14 C04B14/42 C04B14/46 C04B24/42 C04B28/02 C04B2111/542

Family:

Publication number	Publication date	Application number	Application date
KR101791412 B1	20171031	KR20170079094	20170622

Priority:

KR20170079094 20170622

Probable Assignee: PLUSSPACE CO LTD

Assignee(s): (std): PLUSSPACE CO LTD

Assignee(s): PLUSSPACE CO

Inventor(s): (std): JUNG SUNG EUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101791412 B1	20171031	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101791412 B1	20171017	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101791412 B1	20171024	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101791412 B1	20370622	PEXP		Calculated Patent Term Expiry	

Title: A GRANULAR COMPOSITION AND FILTER FOR PURIFICATION OF WATER

Abstract: Disclosed is a composition in the form of granules which comprise: (i) 95 to 98 percent by weight layered double hydroxide (LDH) of molecular formula $[M_2^{2+} 1-xM_3^{3+} xM_3^{2+}]_q(OH)_{2q-2x}^{2-}$; where, M_2^{2+} is at least one of Ca^{2+} , Mg^{2+} , Mn^{2+} , Fe^{2+} , Co^{2+} , Ni^{2+} , Cu^{2+} or Zn^{2+} ; M_3^{3+} is at least one of Al^{3+} , Fe^{3+} , Cr^{3+} , Ga^{3+} or V^{3+} , X is an interlayer anion which is at least one of Cl^- , Br^- , NO_3^- , CO_3^{2-} , SO_4^{2-} or SeO_4^{2-} ; and "x" is the molar metal ratio from 0.1 to 0.33. (ii) 0.3 to 2 percent by weight inorganic binder which is at least one of cement, white cement, gypsum, limestone, chalk, alumina silicate, fly ash, bentonite, bitumen, calcium aluminate, clay, hydrated lime or sodium silicate; and, 0.2 to 1.5 percent by weight organic binder having molecular weight 1000 to 500,000 Daltons and decomposition temperature less than or equal to 400 degrees centigrade, which is at least one of poly vinyl alcohol, polyethylene glycol, polyvinyl pyrrolidone, polyacrylic acid, starch, cellulose, alginates, agar, gelatine or guar gum

Classifications:
International (IPC 8-9): C02F1/28 C04B18/02 C04B20/00 C04B28/02 (Advanced/Invention); C02F101/30 C02F103/00 (Advanced/Non-invention)
CPC: C04B20/0016 C02F1/281 C02F2101/301 C02F2103/002 C04B18/021 C04B18/027

Family:

Publication number	Publication date	Application number	Application date
WO17186478 A1	20171102	WO2017EP58593	20170411

Priority:

EP20160167418 20160428

Probable Assignee: UNILEVER PLC

Assignee(s): (std): CONOPCO INC D B A UNILEVER ; UNILEVER NV ; UNILEVER PLC

Assignee(s): CONOPCO INC

Inventor(s): (std): ABDUL KAREEM SHAJAHAN ; GUPTA SANTOSH KUMAR

Agent(s): WARNER GUY JONATHAN

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
WO17186478 A1	20171102	LSPB	+	published / reissued	

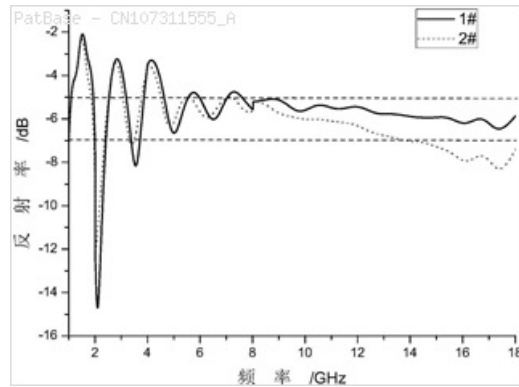
Title: A method of adding graphene oxide cement-based absorbing material and preparation method thereof (Machine translation)

Abstract: Source: CN107311555A The present invention discloses a method of adding graphene oxide cement-based absorbing material and preparation method, comprising the steps of: Weigh cement, spare; Mass ratio weighed silica fume, both into the mixing pot stir, stir the mass ratio weighed nano-iron tetroxide and nickel nanoparticles into the mixing pot, stirring for 2 ~ 5min; Then the stirred mixture was added graphene oxide dispersion, ultrasonic oscillation; Finally, according to the mass ratio weighed in water and water reducing agent, was added to the mixture, stirred at low speed mixer 2 ~ 5min, stop 10 ~ 30s, high-speed stirring 2 ~ 5min, the marinated slurry into the mold vibration molding, and placed in a constant temperature and humidity oven curing, 24h after the release, continued conservation in this condition to obtain cement-based absorbing material. The present invention is obtained by adding graphene oxide cement-based absorbing material has good absorbing properties, band width, green, environmentally friendly, non-radioactive, simple preparation process, easy molding, standardization of production, combined with the construction Good.

Classifications:

International (IPC 8-9): C04B14/02 C04B14/30 C04B14/34 C04B20/00 C04B28/04 (Advanced/Invention)

CPC: C04B28/04 C04B14/308 C04B14/34 C04B20/008 C04B2111/00258 C04B2201/50



Family:

Publication number	Publication date	Application number	Application date
■ CN107311555 A	20171103	CN201710337862	20170515

Priority:

CN201710337862 20170515

Probable Assignee: YANCHENG INST OF TECHNOLOGY

Assignee(s): (std): YANCHENG INST OF TECHNOLOGY

Legal status (INPADOC)

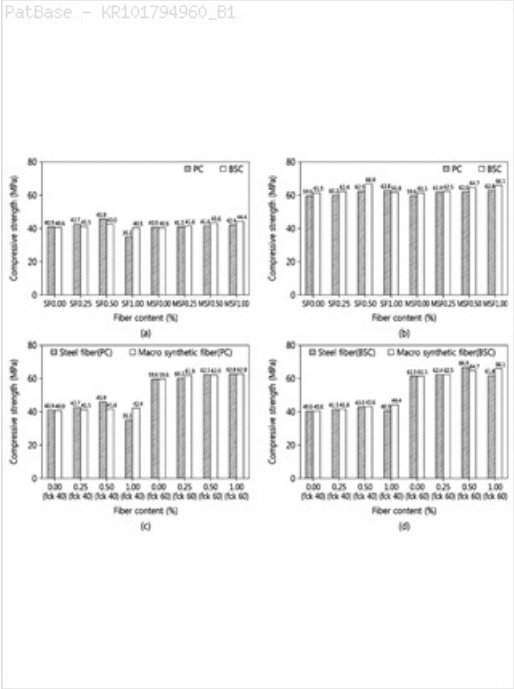
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Patent	Date recorded	Event group	Code	Event	Details
CN107311555 A	20171103	LSPB	+	published / reissued	
CN107311555 A	20171103	LSPB	PB01	PUBLICATION	

Title: TBM TBM MACRO SYNTHETIC FIBER CONCRETE COMPOSITION FOR SHIELD TBM TUNNEL AND CONCRETE SEGMENT MANUFACTURED BY THE SAME

Abstract: Source: KR101794960B The present invention relates to a macro synthetic fiber-reinforced concrete composition for a shield TBM tunnel. The present invention provides a macro synthetic fiber-reinforced concrete composition for a shield TBM tunnel, which comprises: 500 to 625 kg/m3 of a binder including cement and blast furnace slag powder per a unit volume of concrete; 466 to 467 kg/m3 of fine aggregates per a unit volume of concrete; 1,087 to 1,184 kg/m3 of coarse aggregates per a unit volume of concrete; 143 to 150 kg/m3 of water per a unit volume of concrete; 50 to 62 kg/m3 of latex per a unit volume of concrete; and 2.25 to 9 kg/m3 of a macro synthetic fiber per a unit volume of concrete. According to the present invention, corrosion or damage to reinforcing fiber materials can be prevented and costs for materials can be reduced.

Classifications:
International (IPC 8-9): C04B16/06 C04B18/02 C04B20/00 C04B24/24 C04B28/08 E21D11/08 (Advanced/Invention)
CPC: C04B16/0625 C04B18/02 C04B20/0048 C04B24/24 C04B28/08 E21D11/08



Family:

Publication number	Publication date	Application number	Application date
KR101794960 B1	20171108	KR20170027759	20170303

Priority:

KR20170027759 20170303

Probable Assignee: CONTECH ENG CO LTD

Assignee(s): (std): CONTECH ENG CO LTD

Assignee(s): C CONTACT ENG ; CONTECH ENG CO

Inventor(s): (std): KIM HWANG HEE ; LEE JAE YOUNG ; OH RI ON ; PARK CHAN KI ; PARK SUNG KI ; SUNG SANG KYOUNG

Legal status (INPADOC)

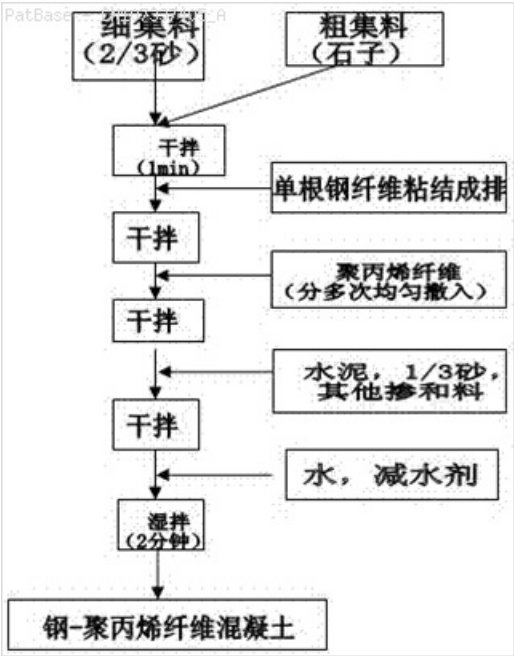
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Patent	Date recorded	Event group	Code	Event	Details
KR101794960 B1	20171108	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101794960 B1	20170523	LSRE	AMND	AMENDMENT	
KR101794960 B1	20170913	LSRE	AMND	AMENDMENT	
KR101794960 B1	20171013	LSGT	+X701	DECISION TO GRANT (AFTER RE-EXAMINATION)	
KR101794960 B1	20171101	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101794960 B1	20370303	PEXP		Calculated Patent Term Expiry	

Title: A method for the wet joint high-performance expansion hybrid fiber concrete material and preparation method thereof (Machine translation)

Abstract: Source: CN107337405A The present invention provides a method for wet seams, high-performance concrete expansion of hybrid fiber material and its preparation method for the wet seams precast Simple Support and continuous in the entire structure of the system in the presence of practical problems, proposed the use of high-strength hybrid fiber reinforced concrete as a seam material, at different levels and loaded stage play confounding effect, the better inhibition and constraints conduct cracks. Use of micro-cracks in concrete Durafiber remission of concentrated force limiting the development of micro-cracks in the concrete using steel fiber limit the development of macroscopic cracks, using hybrid form, both in the case of smaller volume content from the overall improvement of the mechanical properties of concrete. I.e. high flexural, high toughness, high permeability and high fatigue resistance and other characteristics, prevention of diseases occur.

Classifications:
International (IPC 8-9): C04B14/48 C04B16/06 C04B20/00 C04B22/14 C04B28/04 (Advanced/Invention)
CPC: C04B28/04 C04B16/0633 C04B20/0052 C04B22/148 C04B2201/50



Family:

Publication number	Publication date	Application number	Application date
CN107337405 A	20171110	CN201710527131	20170630

Priority:

CN201710527131 20170630

Probable Assignee: WUHAN UNIV OF TECHNOLOGY

Assignee(s): (std): WUHAN UNIV OF TECHNOLOGY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107337405 A	20171110	LSPB	+	published / reissued	
CN107337405 A	20171110	LSPB	PB01	PUBLICATION	

Title: OPF FIREPROOF MORTAR COMPOSITION FOR PREVENTING EXPLOSION WITH OPF AND FIREPROOF METHOD OF CONCRETE STRUCTURE USING THE SAME

Abstract: Source: KR101796069B The present invention relates to a fireproof mortar composition for preventing explosive fracture using oil palm fiber (OPF), and a fireproof method for concrete structures using the same. By applying OPF as a natural material, it is possible to prevent explosive fracture due to a rise in a temperature in concrete in an economically feasible and eco-friendly way. The fireproof mortar composition for preventing explosive fracture using OPF contains 3-85 wt percent of a binding material, 5-95 wt percent of a fine aggregate, 0.01-20 wt percent of a functionality improving mixture, and 0.01-15 wt percent of water. The binding material contains 0.01-15 wt percent of OPF and is made of filaments with length of 3-40 mm while alkali-resistant coating film is coated on a surface thereof.

Classifications:

International (IPC 8-9): C04B16/02 C04B16/12 C04B18/14

C04B20/00 C04B20/02 C04B20/10 C04B28/02 C04B35/66

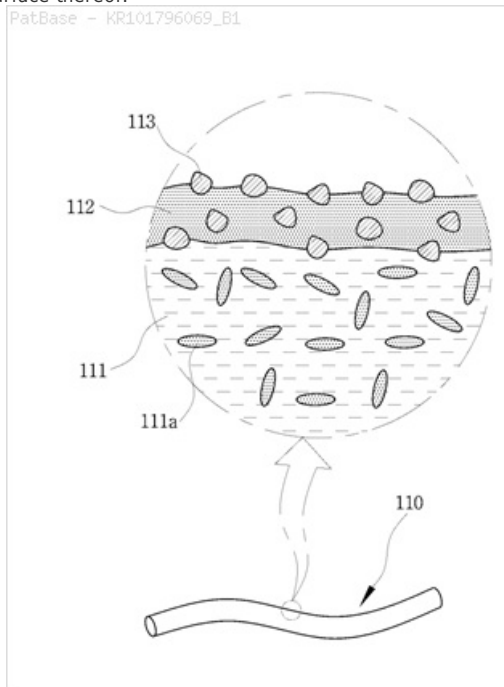
C04B41/52 (Advanced/Invention);

C04B11/00 C04B11/34 (Advanced/Non-invention)

CPC: C04B35/66 C04B16/02 C04B16/12 C04B18/14 C04B20/0056

C04B20/02 C04B20/1033 C04B28/02 C04B41/52 C04B2111/00431

C04B2111/343



Family:

Publication number	Publication date	Application number	Application date
KR101796069 B1	20171110	KR20160183734	20161230

Priority:

KR20160183734 20161230

Probable Assignee: KUKJE CHEMICAL AND CONSTRUCTION CO LTD

Assignee(s): (std): FOUNDATION FOR RESEARCH AND BUSINESS SEOUL NATIONAL UNIV OF SCIENCE AND TECHNOLOGY ; SEOUL NATIONAL UNIV OF TECHNOLOGY CENTER FOR IND COLLABORATION ; KUKJE CHEMICAL AND CONSTRUCTION CO LTD

Assignee(s): KUKJE CHEMICAL AND CONSTRUCTION CO ; FOUNDATION FOR RESEARCH AND BUSINESS SEOUL NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY ; LTD INTERNATIONALIZATION GUN

Inventor(s): (std): CHOI JIN YONG ; OCK JONG HO ; YANG HEE SEUNG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101796069 B1	20171110	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101796069 B1	20170929	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101796069 B1	20171103	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101796069 B1	20361230	PEXP		Calculated Patent Term Expiry	

Title: METHOD FOR PRODUCING ADDITIVES IN THE FORM OF TABLETS, CAPSULES OR PELLETS FOR USE IN THE CONSTRUCTION INDUSTRY

Abstract: The present invention, in a first embodiment, relates to a method for producing additives in the form of tablets, capsules or pellets, suitable for use in cement, mortar or concrete, and, in a second embodiment, to any construction application that uses Portland cement. The additive of the present invention has a composition comprising: an active chemical compound, and a binder for altering the properties and the performance of any type of cement, mortar or concrete.

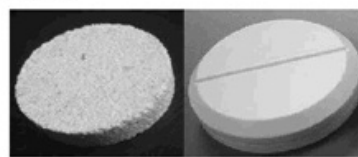
Classifications:

International (IPC 8-9): C04B20/00 (Advanced/Invention);
C04B22/00 C04B28/00 (Core/Invention)

CPC: C04B20/00

PatBase - WO17196163_A2

[Figura 2]



5

Family:

Publication number	Publication date	Application number	Application date
MX2016006098 A1	20171109	MX20160006098	20160510
WO17196163 A2	20171116	WO2017MX50005	20170509
WO17196163 A3	20180104	WO2017MX50005	20170509

Priority:

MX20160006098 20160510

Probable Assignee: BLUE MARBLE TECH S A DE C V

Assignee(s): (std): BLUE MARBLE TECH S A DE C V

Assignee(s): BLUE MARBLE TECHNOLOGIES DE CV SA

Inventor(s): (std): CONDELAS PONS MARIA GUADALUPE ; MARIA GUADALUPE CANDELAS PONS

Agent(s): MENDEZ CORTES JOSE JUAN

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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
MX2016006098 A1	20171109	LSPB	+	published / reissued	
WO17196163 A2	20171116	LSPB	+	published / reissued	

Title: METHOD OF PREPARING LIGHT-WEIGHT CONCRETE FOR PONTOON OF SEA FARM

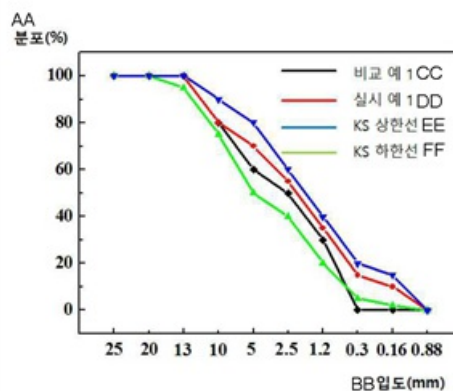
Abstract: Source: KR20170126277A The present invention relates to a method for producing lightweight concrete, including a step for mixing an artificial lightweight aggregate which is composed of a coarse aggregate whose maximum diameter is 13 mm and a fine aggregate with maximum diameter of 5 mm, while particle distribution of the fine aggregate is continuous. According to the present invention, it is possible to produce lightweight concrete for fish farm pontoons, satisfying standard KS standard (KS F 2534) of lightweight concrete produced by the production method.

Classifications:

International (IPC 8-9): C04B20/00 (Advanced/Invention);
C04B111/00 C04B111/40 (Advanced/Non-invention)

CPC: C04B20/0076 C04B2111/00017 C04B2111/40

PatBase - KR20170126277_A



Family:

Publication number	Publication date	Application number	Application date
KR20170126277 A	20171117	KR20160056499	20160509

Priority:

KR20160056499 20160509

Probable Assignee: KYONGGI UNIV IND AND ACADEMIA COOPERATION FOUNDATION

Assignee(s): (std): INDUSTRIAL ACADEMIC COOPERATION GROUP KYEONGGI UNIV ; KYONGGI UNIV IND AND ACADEMIA COOPERATION FOUNDATION

Assignee(s): KYONGGI UNIVERSITY INDUSTRY AND ACADEMIA COOPERATION FOUNDATION

Inventor(s): (std): KANG SEUNG KU ; KIM YOO TAEK ; LEE KI GANG ; LIM CHANG SEONG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR20170126277 A	20171117	LSPB	+	published / reissued	

Title: A high dust content of stone chips formulated concrete mix design method (Machine translation)

Abstract: Source: CN107352897A The present invention discloses a method with a high dust content of stone chips formulated concrete mix design method comprising the steps of: (1) by the high dust content of stone chips and gravel stone size ratio and sand rates close-packed trials; (2) to calculate the porosity sand; (3) Select the gelling material composition and water-cement ratio; (4) the gelling material and calculated the amount of water; (5) calculating a high dust content of stone chips, the additional amount of water; (6) Select the admixture content; (7) calculate preliminary calculation of concrete mix ratio; (8) surplus factor calculated for different slurry n value calculated with the ratio of concrete, to determine the value of n; (9) the gelling material determined coefficient value nb; (10) to determine the rate of sand; (11) to determine the final mix. The present invention is designed with the ratio can use high dust content of stone chips preparation of concrete replace river sand, full and effective use of high dust content of stone chips in the powder filling the aggregate voids, thereby reducing the amount of cementitious material, to achieve the protection of the environment and cost savings effect.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/04 (Advanced/Invention)

CPC: C04B28/04

Family:

Publication number	Publication date	Application number	Application date
 CN107352897 A	20171117	CN201710525991	20170630

Priority:

CN201710525991 20170630

Probable Assignee: SOUTH CHINA UNIV OF TECHNOLOGY

Assignee(s): (std): SOUTH CHINA UNIV OF TECHNOLOGY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107352897 A	20171117	LSPB	+	published / reissued	
CN107352897 A	20171117	LSPB	PB01	PUBLICATION	

Title: PANEL COMPOSITION FOR EXHIBITION FACILITY USING COMPLEX MATERIAL AND PREPARATION METHODS THEREOF

Abstract: Source: KR101791409B The present invention provides a panel composition and a preparing method thereof. For 100 parts by weight of a polymer resin, the panel composition includes: 50 to 80 parts by weight of a composite fiber; 5 to 30 parts by weight of a water-based foam bit; 1 to 10 parts by weight of a lightweight material; 5 to 30 parts by weight of nano-ceramic particles; 0.1 to 10 parts by weight of a silane compound; 5 to 20 parts by weight of silica sand; 0.1 to 4 parts by weight of a water-swellaable substance; 3 to 15 parts by weight of a flame retardant; 3 to 6 parts by weight of a release agent; 5 to 40 parts by weight of a deformation inhibitor; 2 to 20 parts by weight of a curing agent; 1 to 5 parts by weight of octyltriethoxysilane; and 2 to 10 parts by weight of a stabilizer. According to the present invention, the panel composition can be eco-friendly and has enhanced fire resistance and strength by using composite materials such as composite basalt fiber and glass fiber materials.

Classifications:

International (IPC 8-9): B29C67/24 C04B14/42 C04B14/46 C04B20/00 C04B26/02 (Advanced/Invention); C04B111/54 (Advanced/Non-invention)

CPC: C04B20/0068 B29C67/243 C04B14/42 C04B14/46 C04B26/02 C04B2111/54

Family:

Publication number	Publication date	Application number	Application date
 KR101791409 B1	20171120	KR20170079085	20170622

Priority:

KR20170079085 20170622

Probable Assignee: PLUSSPACE CO LTD

Assignee(s): (std): PLUSSPACE CO LTD

Assignee(s): PLUSSPACE CO

Inventor(s): (std): JUNG SUNG EUN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101791409 B1	20171120	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101791409 B1	20171017	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101791409 B1	20171024	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101791409 B1	20370622	PEXP		Calculated Patent Term Expiry	

Title: WARM MODIFIED ASPHALTS AND WARM MODIFIED ASPHALTCONCRETES

Abstract: Source: KR101793618B The present invention provides warm modified asphalt, which comprises: 100 wt percent of an asphalt mixture comprising 60 to 95 wt percent of asphalt for road pavement, 4.8 to 35 wt percent of an unhardened rubber powder and 0.2 to 5 wt percent of polyphosphoric acid; 0.5 to 15 wt percent of one or at least two selected from a group consisting of styrene butadiene styrene (SBS), styrene butadiene rubber (SBR) and styrene ethylene butadiene styrene (SEBS) having a butadiene content of 30 wt percent or more; 0.05 to 5 wt percent of a coupling agent; 2 to 15 wt percent of semi-drying or drying oil having an iodine value of 100 or more; and 0.05 to 2 wt percent of a solidifying agent. The warm modified asphalt and the warm modified asphalt concrete according to the present invention can reduce harmful gas discharged during production and construction, thereby reducing the discomfort of workers and passengers.

Classifications:

International (IPC 8-9): C04B20/00 C04B22/16 C04B24/04 C04B24/08 C04B24/16 C04B24/24 C04B26/26

E01C11/22 (Advanced/Invention);

C04B103/54 C04B111/00 (Advanced/Non-invention)

CPC: C04B26/26 C04B20/0076 C04B22/16 C04B24/045 C04B24/08 C04B24/16 C04B24/24 E01C11/225 C04B2103/54 C04B2111/00284 C04B2111/0075

Family:

Publication number	Publication date	Application number	Application date
 KR101793618 B1	20171121	KR20170054203	20170427

Priority:

KR20170054203 20170427

Probable Assignee: ILL WOO PPC CO LTD

Assignee(s): (std): ILL WOO PPC CO LTD

Assignee(s): C WHOOPi PC ; ILL WOO PPC CO

Inventor(s): (std): JUNG HONG KI

Legal status (INPADOC)

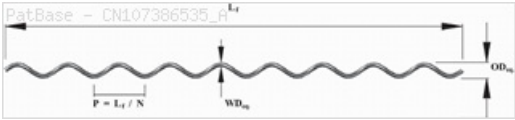
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Patent	Date recorded	Event group	Code	Event	Details
KR101793618 B1	20171121	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101793618 B1	20171025	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101793618 B1	20171030	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101793618 B1	20370427	PEXP		Calculated Patent Term Expiry	

Title: An oval spiral fiber (Machine translation)

Abstract: Source: CN107386535A The present invention discloses a spiral, the spiral elliptical fiber fiber radial cross-section is elliptical, the oval short diameterand long diameter D1 D2ratio of 0.75?D1/D2lt;1. The present invention provides an elliptical coil fiber has good drawing properties, it is incorporated into the cement or plastic matrix, can improve the performance of the material, increasing the ultimate strength and toughness of the matrix.

Classifications:
International (IPC 8-9): C04B20/00 E04C5/07 (Advanced/Invention)
CPC: E04C5/07



Family:

Publication number	Publication date	Application number	Application date
CN107386535 A	20171124	CN201710455668	20170616

Priority:
CN201710455668 20170616

Probable Assignee: XI AN JIAOTONG LIVERPOOL UNIV
Assignee(s): (std): XI AN JIAOTONG LIVERPOOL UNIV

Legal status (INPADOC)

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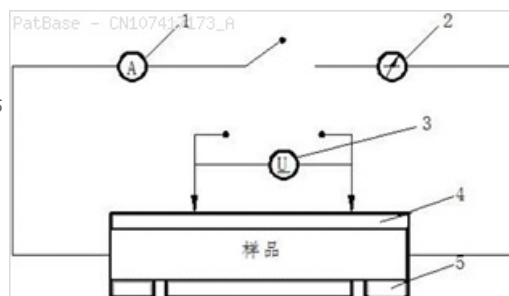
Patent	Date recorded	Event group	Code	Event	Details
CN107386535 A	20171124	LSPB	+	published / reissued	
CN107386535 A	20171124	LSPB	PB01	PUBLICATION	

Title: A conductive asphalt concrete (Machine translation)

Abstract: Source: CN107417173A The present invention provides a conductive asphalt concrete, consists of the following raw materials in parts by mass: 91 to 98 parts aggregate, mineral powder filler 2 to 9 parts, Asphalt 3 to 8 parts, the conductive material is 0.7 to 11 parts, 3,4-bis-hydroxy cinnamic acid, 0.01 to 2 parts of a coupling agent 0.01 to 2 parts dispersant 0.01 to 0.5 parts. The conductive material is nano-silver solution, silver plated conductive yarn mixed composition; The coupling agent is a trimethoxysilane -2-azido benzene sulfonyl ethyl silane; The dispersing agent is bis (polyoxyethylene octyl phenol ether) phosphate ester. The present invention, a conductive asphalt concrete, first application of nano silver solution, silver plated conductive yarn, black titanium powder mixed composition of the conductive material to improve electrical conductivity, in addition to 3,4-bis-hydroxy cinnamic acid conductive Improvement agent synergy greatly improving the conductive properties of the conductive material. After the material was added to the asphalt mixture made of an insulator into a conductor, Power, electrical energy is converted to heat, so that the asphalt concrete pavement temperature to reach the snow and ice purposes.

Classifications:

International (IPC 8-9): C04B111/94 C04B14/30 C04B14/34
C04B20/00 C04B20/10 C04B24/08 C04B26/26 (Advanced/Invention);
C04B111/94 (Advanced/Non-invention)
CPC: C04B26/26 C04B14/305 C04B20/0048 C04B20/10 C04B24/085
C04B2111/00008 C04B2111/94 C04B2201/50



Family:

Publication number	Publication date	Application number	Application date
■ CN107417173 A	20171201	CN201710632780	20170728

Priority:

CN201710632780 20170728

Probable Assignee:

CHANG AN UNIV

Assignee(s): (std):

CHANG AN UNIV

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107417173 A	20171201	LSPB	+	published / reissued	
CN107417173 A	20171201	LSPB	PB01	PUBLICATION	

Title: APPLICATION OF GROUND EXPANDING AGENTS IN CEMENT

Abstract: Source: US2017349805A Embodiments may include cement compositions containing an expanding agent encapsulated with a polymeric material, wherein the polymeric material is permeable to aqueous fluids. Methods may include emplacing a cement slurry into a wellbore traversing a subterranean formation, wherein the cement slurry contains an expanding agent encapsulated with a polymeric material, wherein the polymeric material is permeable to aqueous fluids; allowing the cement slurry to harden; contacting the expanding agent encapsulated with a polymeric material with an aqueous fluid; and allowing the expanding agent to hydrate.

Classifications:

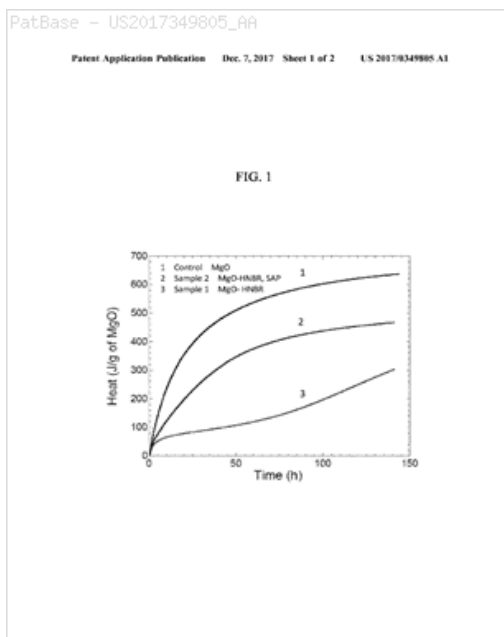
International (IPC 8-9): C04B20/00 C09K8/467

E21B33/14 (Advanced/Invention);

C04B103/00 C04B103/42 (Advanced/Non-invention)

CPC: C09K8/467 E21B33/14 C04B20/0004 C04B2103/0035

C04B2103/42 C04B20/1029 C04B28/02

**Family:**

Publication number	Publication date	Application number	Application date
US2017349805 AA	20171207	US20160171014	20160602

Priority:

US20160171014 20160602

Probable Assignee:

SCHLUMBERGER TECH CORP

Assignee(s): (std):

SCHLUMBERGER TECH CORP

Assignee(s):

SCHLUMBERGER TECHNOLOGY CORP

Inventor(s): (std):

MUSSO SIMONE ; THOMAS JEFFREY J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US2017349805 AA	20171207	LSPB	+	published / reissued	
US2017349805 AA	20170329	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SCHLUMBERGER TECHNOLOGY CORPORATION, TEXAS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:MUSSO, SIMONE; THOMAS, JEFFREY J.; SIGNING DATES FROM 20170216 TO 20170320; REEL/FRAME:041772/0494

Title: HYDRATED HARDENED BODY AND METHOD FOR MANUFACTURING SAME

Abstract: Provided are a hydrated hardened body having excellent fatigue durability and a method for manufacturing the same. The hydrated hardened body is obtained by hardening a kneaded mixture which comprises a steelmaking slag-containing aggregate, a binder capable of being hardened by hydration and water, wherein: the maximum size of the aggregate is 5-60 mm inclusive; the solid volume percentage of coarse aggregate of the aggregate is 50 vol percent or more; and the volume ratio of the aggregate is 55 vol percent or more relative to the total volume of the hydrated hardened body.

Classifications:

International (IPC 8-9): B28B11/24 C04B18/08 C04B18/14 C04B20/00 C04B28/02 C04B28/08 C04B7/153
E02B3/04 (Advanced/Invention)

CPC: C04B18/08 C04B18/14 C04B28/02

Family:

Publication number	Publication date	Application number	Application date
JP2017218369 A2	20171214	JP20170011956	20170126
TW201800360 A	20180101	TW20170117777	20170531
WO17208844 A1	20171207	WO2017JP18702	20170518

Priority:

JP20160110592 20160602 JP20170011956 20170126

Probable Assignee: JFE STEEL CORP

Assignee(s): (std): JFE STEEL CORP ; KAWASAKI STEEL CO

Inventor(s): (std): ICHIKAWA KOICHI ; INOUE YOTARO ; MATSUNAGA HISAHIRO ; MIYATA YASUHIRO ; TAKAHASHI KATSUNORI

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 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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017218369 A2	20171214	LSPB	+	published / reissued	
JP2017218369 A2	20180125	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20180125
TW201800360 A	20180101	LSPB	+	published / reissued	
WO17208844 A1	20171207	LSPB	+	published / reissued	

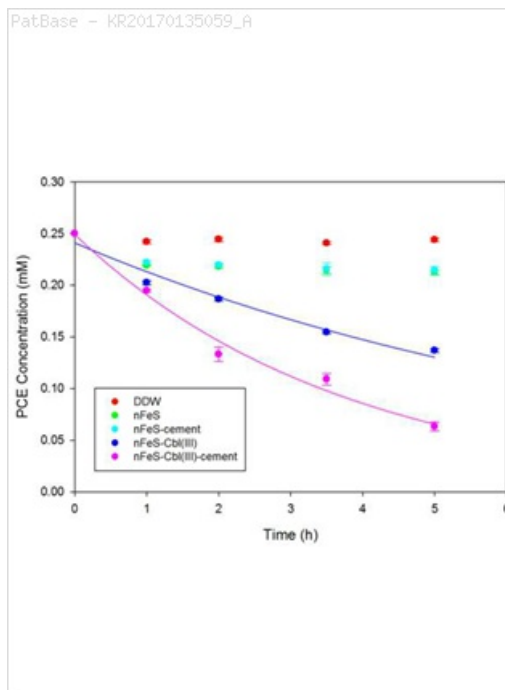
Title: CEMENT SLURRY COMPOSITIONS AND BARRIER CEMENT STRUCTURES USING THE SAME

Abstract: Source: KR20170135059A The present invention provides a cement slurry composition having excellent toxicity removal effects, and a barrier cement structure using the same. A cement slurry composition comprises Portland cement, nano-Mackinawite (nFeS), cyano-cobalamin (Cbl(III)) and water. A chlorinated organic compound can be reduced and decomposed by an interaction of cement and nFeS-Cbl(III).

Classifications:

International (IPC 8-9): C02F1/58 C02F1/70 C04B20/00 C04B22/14 C04B24/12 C04B7/02 (Advanced/Invention); C02F101/30 C02F103/06 (Advanced/Non-invention)

CPC: C04B7/02 C02F1/58 C02F1/70 C04B20/008 C04B22/149 C04B24/127 C02F2101/30 C02F2103/06



Family:

Publication number	Publication date	Application number	Application date
KR101813130 B1	20171228	KR20160066355	20160530
KR20170135059 A	20171208	KR20160066355	20160530

Priority:

KR20160066355 20160530

Probable Assignee: KOREA ADVANCED INST SCI AND TECH

Assignee(s): (std): KOREA ADVANCED INST OF SCIENCE AND TECHNOLOGY ; KOREA ADVANCED INST SCI AND TECH

Assignee(s): KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

Inventor(s): (std): BAE SUNG JUN ; KYUNG DAE SEUNG ; LEE WOO JIN ; SIHN YOUNG HO

Legal status (INPADOC)

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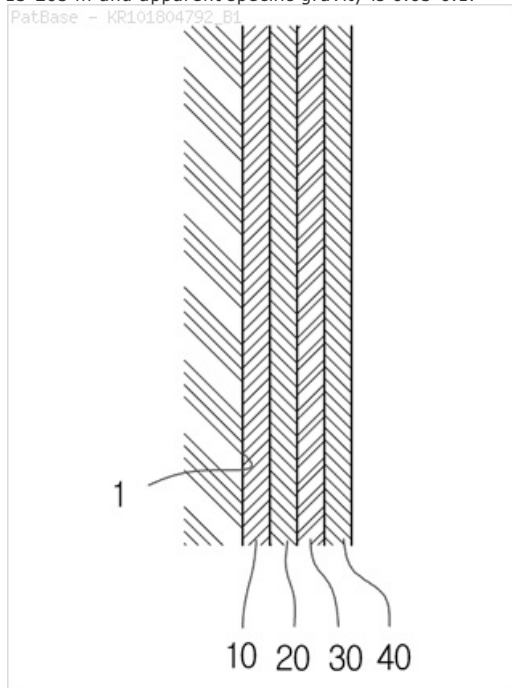
Patent	Date recorded	Event group	Code	Event	Details
KR101813130 B1	20171228	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101813130 B1	20160530	LSES	A201	REQUEST FOR EXAMINATION	
KR101813130 B1	20170404	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101813130 B1	20170926	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101813130 B1	20360530	PEXP		Calculated Patent Term Expiry	
KR20170135059 A	20171208	LSPB	+	published / reissued	
KR20170135059 A	20171221	LSGT	+GRNT	WRITTEN DECISION TO GRANT	

Title: REFORMING COMPOSITION AND REFORMING METHOD USING THE SAME

Abstract: Source: KR101804792B The present invention relates to a repair material and a repair method using the same. The present invention can: prevent corrosion by forming a coating layer on a concrete structure, a metal structure, and a rubber sheet; repair to form a repair layer at a damaged part; prevent the dropping of the repair material when being coated on a vertical surface and an uneven horizontal surface; form a coating layer having an even thickness; and form a coating layer and a repair layer quickly and easily. For the above, the repair material and the repair method using the same enable a coating with a roller or a brush by being mixed at 10:0.5 to 3 (volume ratio) of liquid urethane and silica powder whose particles are dispersed in a size of 13-265 m and apparent specific gravity is 0.03-0.1 and is formed with a urethane-silica powder mixture capable of being coated with a trowel by being mixed at the ratio of 10:5 to 15 (volume ratio) of liquid urethane and silica powder whose particles are dispersed in a size of 13-265 m and apparent specific gravity is 0.03-0.1.

Classifications:

International (IPC 8-9): C04B14/06 C04B20/00 C04B41/48
C04B41/52 E01C11/00 E01D22/00 E04G23/02 (Advanced/Invention);
C04B111/20 C04B111/72 (Advanced/Non-invention)
CPC: C04B41/4884 C04B14/062 C04B20/008 C04B41/522
E01C11/005 E01D22/00 E04G23/0281 E04G23/0296 C04B2103/44
C04B2111/20 C04B2111/72



Family:

Publication number	Publication date	Application number	Application date
KR101804792 B1	20171208	KR20160129750	20161007

Priority:

KR20160129750 20161007

Probable Assignee: ROADCHEM CO LTD

Assignee(s): (std): CHOI DONG HYUN ; PARK HYE JEONG ; ROADCHEM CO LTD

Assignee(s): ROADCHEM CO ; BAKHYEJEONG ; CHOEDONGHYEON ; LOAD CHEM CO LTD

Inventor(s): (std): CHOI DONG HYUN ; PARK HYE JEONG

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101804792 B1	20171208	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101804792 B1	20171013	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR101804792 B1	20171129	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101804792 B1	20361007	PEXP		Calculated Patent Term Expiry	

Title: Thermal insulation concrete and preparation method thereof (Machine translation)

Abstract: Source: CN107445651A The present invention discloses insulating concrete and its preparation method, the insulating concrete contains: Portland cement 10 ~ 50 parts by weight, the nano-porous silicon particles 0.1 to 5 parts by weight, 0 to 50 parts of glass beads, fly ash 0 to 40 parts by weight, 0.5 to 10 parts by weight of dispersing aid, redispersible powder 1 to 10 parts by weight, 1 to 10 parts by weight of cellulose ether, crack fiber 0 ~ 10 parts by weight of water, 40 to 100 parts by weight. The insulating concrete retains the nanoporous silicon filler thermal insulation effect, cement cured after drying, waterproof performance. The mortar can be used for indoor outdoor walls, ceilings, floors and other surface coating, played insulation, waterproof effect.

Classifications:

International (IPC 8-9): C04B14/06 C04B20/00 C04B24/38 C04B28/04 C04B38/08 (Advanced/Invention)

CPC: C04B38/085 C04B14/064 C04B20/0036 C04B24/383 C04B2201/32

PatBase - CN107445651_A



Family:

Publication number	Publication date	Application number	Application date
■ CN107445651 A	20171208	CN201710797516	20170906

Priority:

CN201710797516 20170906

Legal status (INPADOC)

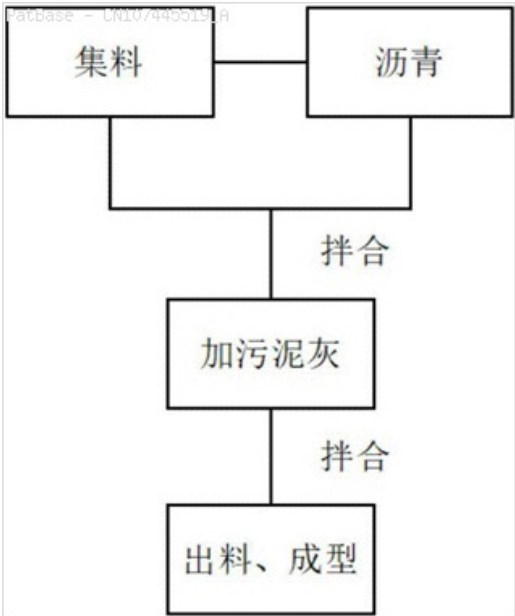
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Patent	Date recorded	Event group	Code	Event	Details
CN107445651 A	20171208	LSPB	+	published / reissued	
CN107445651 A	20171208	LSPB	PB01	PUBLICATION	

Title: One kind of asphalt concrete and its preparation method (Machine translation)

Abstract: Source: CN107445519A The present invention discloses a method of asphalt concrete, including asphalt, sludge incineration ash and aggregate, wherein the asphalt The weight percentage of 3.0% to 6.3%, the percentage by weight of said sludge incineration ash 1.0% to 6.0%, the percentage by weight of the aggregate of 90.9% to 94.6%, wherein the aggregate by the various size fractions graded aggregate according to a certain proportion of components. The asphalt concrete preparation method comprises the following steps: According to a certain weight ratio of weighed the pitch, sludge incineration ash and aggregate; The bitumen, sludge incineration ash and aggregate mixing; After mixing, can be made for on-site paving asphalt concrete. Compared with the prior art, the present invention has a wide variety of sources, low cost, capable of turning waste into treasure and other simple production process advantages.

Classifications:
International (IPC 8-9): C04B18/10 C04B20/00
C04B26/26 (Advanced/Invention)
CPC: C04B26/26 C04B20/0076



Family:

Publication number	Publication date	Application number	Application date
 CN107445519 A	20171208	CN201710842905	20170918

Priority:

CN201710842905 20170918

Probable Assignee: CCCC SHANGHAI HARBOUR ENGINEERING DESIGN AND RESEARCH INST CO LTD

Assignee(s): CCCC SHANGHAI HARBOUR ENGINEERING DESIGN AND RESEARCH INST CO LTD ; CCCC SHANGHAI RESEARCH INST LTD SANHANG

Legal status (INPADOC)

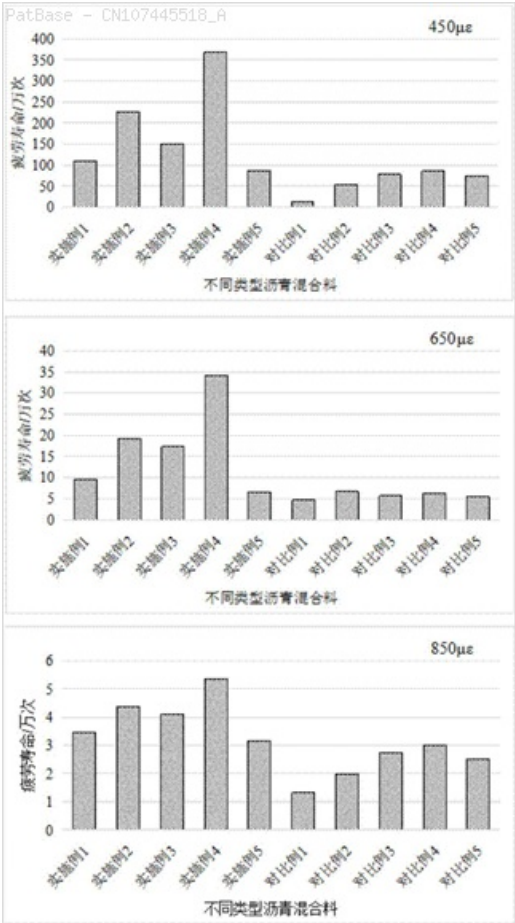
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Patent	Date recorded	Event group	Code	Event	Details
CN107445519 A	20171208	LSPB	+	published / reissued	
CN107445519 A	20171208	LSPB	PB01	PUBLICATION	

Title: High anti-fatigue properties of basalt fiber graded asphalt mixture and its preparation method (Machine translation)

Abstract: Source: CN107445518A The present invention discloses a high anti-fatigue properties of basalt fiber-graded asphalt mixture and its preparation method. The asphalt mixture A percentage by mass, comprises the following components: 4.316 percent to 4.635 percent SBS modified bitumen, graded basalt fibers 0.347 percent ~0.416 percent, 94.328 percent ~95.973 percent mineral material, comprising the steps of: The first pre-heated aggregate thickness and graded basalt fibers mixed in the mixing pot mixing 90s, then add pre-heated SBS modified asphalt mixing, and finally incorporation of 90~100s preheated ore mix, 90~100s prepared into the asphalt mixture. The incorporation of asphalt mixture gradation basalt fibers, can greatly mix fatigue performance, long fatigue life with SBS modified asphalt and asphalt mix compared to a significant improvement in the level of 650 micro-strain strain conditions, the asphalt mixture matrix asphalt mixture fatigue life is 1.5 to 7 times, is the SBS modified asphalt mixture of 1.5 to 5 times.

Classifications:
International (IPC 8-9): C04B111/34 C04B20/00
C04B26/26 (Advanced/Invention);
C04B111/34 (Advanced/Non-invention)
CPC: C04B26/26 C04B211/343



Family:

Publication number	Publication date	Application number	Application date
 CN107445518 A	20171208	CN201710606406	20170724

Priority:

CN201710606406 20170724

Probable Assignee: YANGZHOU UNIV

Assignee(s): (std) YANGZHOU UNIV

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107445518 A	20171208	LSPB	+	published / reissued	
CN107445518 A	20171208	LSPB	PB01	PUBLICATION	

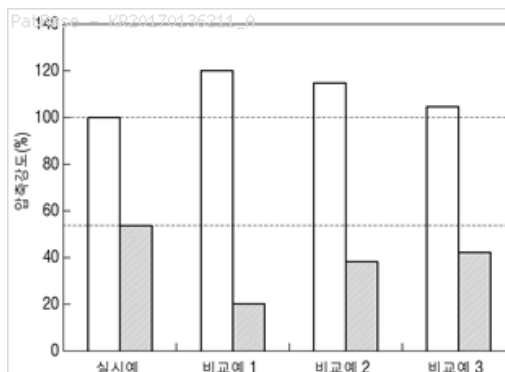
Title: COMPOSITION OF FIRE RESISTANT MORTAR BASED INORGANIC NANO MATERIAL

Abstract: Source: KR20170136211A The present invention nano-based inorganic refractory mortar composition, its manufacturing method and the composition is attached to the concrete structure. More specifically, the inorganic-based nano-materials and express the strength upon exposure to high temperatures, the polymer and the organic polymer cement binder fiber, including in a non unconsolidated state mortar to improve the tensile strength and toughness and water tightness, chemical resistance, and can improve the durability of the freezing and thawing resistance, such as a nano-based inorganic refractory mortar composition to relate.

Classifications:

International (IPC 8-9): C04B14/10 C04B20/00 (Advanced/Invention)

CPC: C04B14/10 C04B14/06 C04B16/12 C04B20/008 C04B24/24 C04B28/06 C04B2111/00431



Family:

Publication number	Publication date	Application number	Application date
KR20170136211 A	20171211	KR20160068010	20160601

Priority:

KR20160068010 20160601

Probable Assignee: TOTAL PAVE SYSTEM

Assignee(s): (std): KOREA EXPRESSWAY CORP ; TOTAL PAVE SYSTEM

Inventor(s): (std): CHANG TAE SUN ; CHOI YUN RAIK ; KIM JI WON ; LEE SANG RAE ; SHIM JAE WON ; YOU BYUNG OK

Legal status (INPADOC)

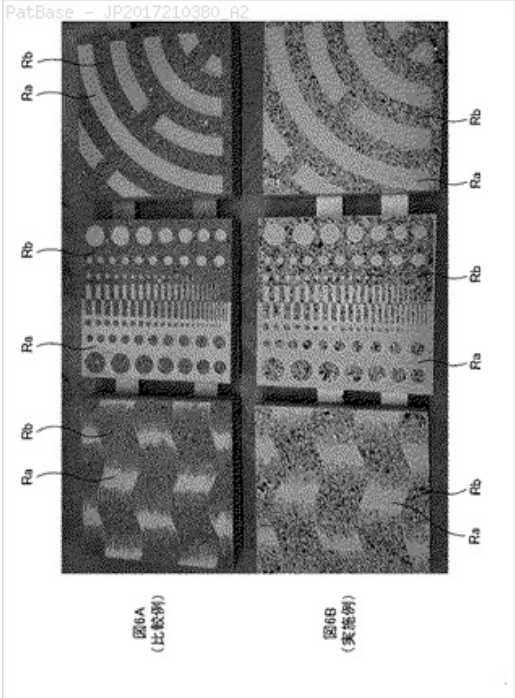
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Patent	Date recorded	Event group	Code	Event	Details
KR20170136211 A	20171211	LSPB	+	published / reissued	
KR20170136211 A	20160601	LSES	A201	REQUEST FOR EXAMINATION	
KR20170136211 A	20170808	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	

Title: CEMENT MIXED MATERIAL, HYDRAULIC COMPOSITION, AND METHOD FOR PRODUCING THE HYDRAULIC COMPOSITION

Abstract: Source: JP2017210380A PROBLEM TO BE SOLVED: To provide a hydraulic composition which is rich in hue and improves designability.SOLUTION: A hydraulic composition contains a cement mixed material formed of white cement and glass sand having a particle size of 0-5 mm, and water. The hydraulic composition can be obtained by: a mixing step of mixing the glass sand having the particle size of 0-5 mm and the water to produce a hydraulic composition; a placing step of placing the hydraulic composition in a mold frame to which a sheet imprinted with a cure-retarding agent for delaying the curing of the hydraulic composition is stuck; a form removal step of removing the hydraulic composition from the mold frame, after having cured the hydraulic composition; and a step of washing a portion in which the curing is delayed by the cure-retarding agent, after the form removal step.SELECTED DRAWING: Figure 6

Classifications:
International (IPC 8-9): B28B11/08 C04B14/22 C04B20/00 C04B28/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017210380 A2	20171130	JP20160102383	20160523

Priority:

JP20160102383 20160523

Probable Assignee: OHBAYASHI CORP

Assignee(s): (std): OHBAYASHI CORP

Inventor(s): KOBAYASHI TOSHIMITSU ; MATSUNAGA SHIGEO ; MIZOBUCHI ASAKO ; YOSHIDA RISA

Agent(s): ISSHIKI AND CO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017210380 A2	20171130	LSPB	+	published / reissued	

Title: ROAD BLOCK HAVING COPPER SLAG MANUFACTURING METHOD OF SUCH BLOCK AND COMPOSITE FOR SUCH BLOCK

Abstract: Source: KR101809611B In the present invention, the industrial by-products as waste slag" "copper (?), by setting, as a material of slump) condition of strength promoter (slump (zero) improved workability such as (workability/ walker can be achieved by mixing a "East slag composition for environmentally friendly high-intensity of a sidewalk, thereby manufacturing the sidewalk and relates to its manufacturing method.

Classifications:

International (IPC 8-9): B28B1/14 B28B11/24 C04B18/14 C04B20/00 C04B28/02 E01C5/06 (Advanced/Invention); C04B111/00 (Advanced/Non-invention)

CPC: C04B18/141 B28B1/14 B28B11/247 C04B20/0076 C04B24/2641 C04B28/02 E01C5/065 C04B2111/00017 C04B2111/0075

Family:

Publication number	Publication date	Application number	Application date
KR101809611 B1	20171218	KR20170057332	20170508

Priority:

KR20170057332 20170508

Probable Assignee: DECOPAVE CO LTD

Assignee(s): (std): DECOPAVE CO LTD ; PARK MOON SUK

Assignee(s): FAVE DECO CO LTD ; BAKMUNSEOK ; DECOPAVE CO

Inventor(s): (std): PARK MOON SUK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101809611 B1	20171218	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101809611 B1	20171107	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101809611 B1	20171120	LSAS	N231	NOTIFICATION OF CHANGE OF APPLICANT	
KR101809611 B1	20171211	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101809611 B1	20370508	PEXP		Calculated Patent Term Expiry	

Title: ULTRA RAPID HARDINGHIGH EARLY STRENGTH WATERPROOF AND MOTHPROOF MORTAR COMPOSITION

Abstract: Source: KR101809485B The present invention is water repellent mortar composition for maintenance of the initial strength relates to, and more particularly to a structure reinforcement for concrete curing rate is high and the strength is excellent, and improved water resistance loess contained silica nano powder waterproofing comprising relates to a mortar composition. Formulation of the present invention characteristics and high-strength mortar composition is, in particular, characteristics are excellent, and excellent water without the need for a separate waterproofing processing large effect when it is necessary to reinforce the structure of the first it can be applied effectively.

Classifications:

International (IPC 8-9): C04B14/04 C04B18/08 C04B18/14 C04B20/00 C04B20/02 C04B20/04 C04B20/10 C04B28/04 C04B28/06 (Advanced/Invention);

C04B103/65 C04B111/27 (Advanced/Non-invention)

CPC: C04B14/04 C04B18/08 C04B18/141 C04B20/008 C04B20/023 C04B20/04 C04B20/1022 C04B28/04 C04B28/06 C04B2103/65 C04B2111/27

Family:

Publication number	Publication date	Application number	Application date
 KR101809485 B1	20171218	KR20170065788	20170529

Priority:

KR20160119507 20160919

Probable Assignee: SOO SAN ENTPR CO LTD

Assignee(s): (std): KIM GYE CHEON ; SOO SAN ENTPR CO LTD

Assignee(s): SOO SAN ENTERPRISE CO ; KIM GYE CHUN ; C FISHERIES IND

Inventor(s): (std): KIM GYE CHEON

Legal status (INPADOC)

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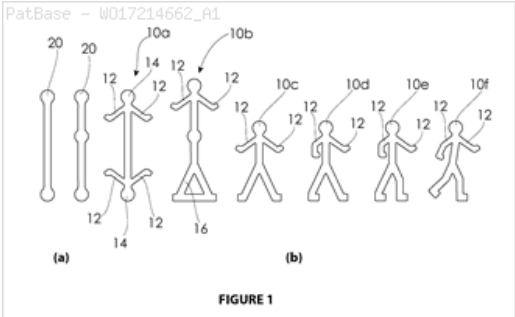
Patent	Date recorded	Event group	Code	Event	Details
KR101809485 B1	20171218	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101809485 B1	20171030	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101809485 B1	20171211	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101809485 B1	20370529	PEXP		Calculated Patent Term Expiry	

Title: ALTERNATIVE REINFORCED CONCRETE COMPOSITE

Abstract: The invention in one aspect relates to an alternative concrete composite using the soil on site and gravel on site, mixed with cement and reinforcement pieces according to another aspect of the present invention. The use of the reinforcement pieces allows the alternative concrete composite using the available 'unclean' soil and gravel on site to be formed into structures as needed at a substantially reduced cost. The reinforcement pieces (10, 20) in one embodiment are made from plastics material, and are ideally made from recycled waste plastics material, shaped to include generally opposed hook or bar portions for embedding into the soil and concrete mix. In another embodiment, a single used tyre (600) can be recycled to form slit side tyre bead portions (310), cut-out tyre beads (300), recycled tyre mesh (220), or strands (612) as reinforcement pieces.

Classifications:

International (IPC 8-9): B29B17/00 C04B20/00 C04B28/00 E04C5/07 (Advanced/Invention)
CPC: B29B17/00 E04C5/07 C04B16/06 C04B18/20 C04B20/0048 C04B28/02 C04B32/02



Family:

Publication number	Publication date	Application number	Application date
WO17214662 A1	20171221	WO2017AU00134	20170616

Priority:

AU20160902350 20160616 AU20160903079 20160804 AU20170901759 20170511

Probable Assignee: EAA RES ENGINEER PTY LTD

Assignee(s): (std): EAA RES ENGINEER PTY LTD

Assignee(s): EAA RESEARCH ENGINEER PTY LTD

Inventor(s): (std): AGDA EDGAR

Agent(s): PROTECTMYIDEACOMAU

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 JO 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

Legal status (INPADOC)

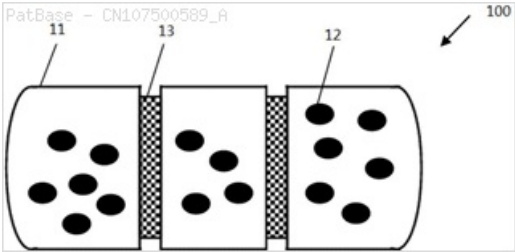
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Patent	Date recorded	Event group	Code	Event	Details
WO17214662 A1	20171221	LSPB	+	published / reissued	

Title: A fixing carbon dioxide for self-healing concrete microcapsules (Machine translation)

Abstract: Source: CN107500589A The present invention relates to a self-repairing concrete microcapsules can fix carbon dioxide, the carbon dioxide may be fixed self-healing microcapsules concrete self-compacting concrete and comprising dispersed therein a first steel capsule, the capsule comprises a first a first steel steel, the first microcapsule core microcapsule wall, and the first ceramic ring, wherein the first capsule capsule core comprises the solid adsorbent adsorbing carbon dioxide, and the first ceramic ring disposed between the steel in the middle of the capsule. Brittle ceramic ring, ceramic ring in a timely manner when subjected to stress breakage damage, after carbon dioxide diffuses out of steel capsule with the water free of calcium ion reaction, generated solid calcium carbonate, fill the cracks. The beneficial effects of the present invention can realize intelligent self-healing function, through the conversion of carbon dioxide into calcium carbonate and reduce carbon dioxide emissions, but also recyclable carbon dioxide solid sorbent, reduce solid waste generation.

Classifications:
International (IPC 8-9): C04B20/00 C04B22/00
C04B22/06 (Advanced/Invention)
CPC: C04B40/0039



Family:

Publication number	Publication date	Application number	Application date
 CN107500589 A	20171222	CN201710965873	20171017

Priority:
CN201710965873 20171017

Probable Assignee: BINZHOU UNIV
Assignee(s): (std): BINZHOU UNIV

Legal status (INPADOC)

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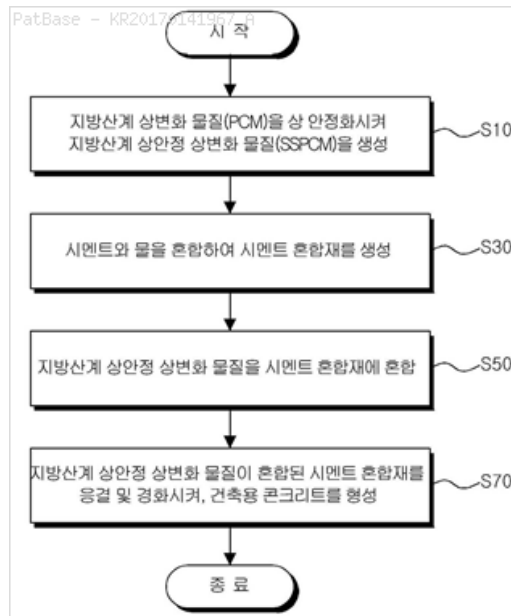
Patent	Date recorded	Event group	Code	Event	Details
CN107500589 A	20171222	LSPB	+	published / reissued	
CN107500589 A	20171222	LSPB	PB01	PUBLICATION	

Title: HEAT STORAGE PROPERTIES ENHANCED SSPCM CONCRETE AND METHOD FOR MANUFACTURING THE SAME

Abstract: Source: KR20170141967A Thermal performance is improved phase stable phase change material applied to concrete, fatty acid-based phase change material (phase change material PCM) stabilized by fatty acid phase stable phase change material on the phase change material; generating a SSPCM) (shape-stabilized; cement and water to prepare a cement admixture; generating a phase change material in the phase stability the fatty acid mixture; mixing the cement and the cement is mixed fatty acid phase stable phase change material, by condensation and curing a mixed material includes forming a concrete construction. Accordingly, heat generated along with concrete building a peak temperature in a temperature range comfortable takes effect to reduce time rack can maintain the thermal inertia, fatty acid series phase change materials, because it uses, eco-friendly and economical.

Classifications:

International (IPC 8-9): C04B14/00 C04B14/02 C04B20/00 C04B20/10 C04B24/08 C09K5/06 (Advanced/Invention)
CPC: C04B24/08 C04B14/005 C04B14/024 C04B20/0008 C04B20/1025 C09K5/063 C04B2201/30



Family:

Publication number	Publication date	Application number	Application date
KR20170141967 A	20171227	KR20160075072	20160616

Priority:

KR20160075072 20160616

Probable Assignee: FOUND OF SOONGSIL UNIV IND COOPERATION

Assignee(s): (std): FOUND OF SOONGSIL UNIV IND COOPERATION ; SOONGSIL UNIV RESEARCH CONSORTIUM TECHNO PARK

Assignee(s): FOUNDATION OF SOONGSIL UNIV IND COOPERATION

Inventor(s): (std): CHANG SEONG JIN ; JEONG SU GWANG ; KIM SU MIN ; WI SEUNG HWAN

Legal status (INPADOC)

[View legal status timeline](#)

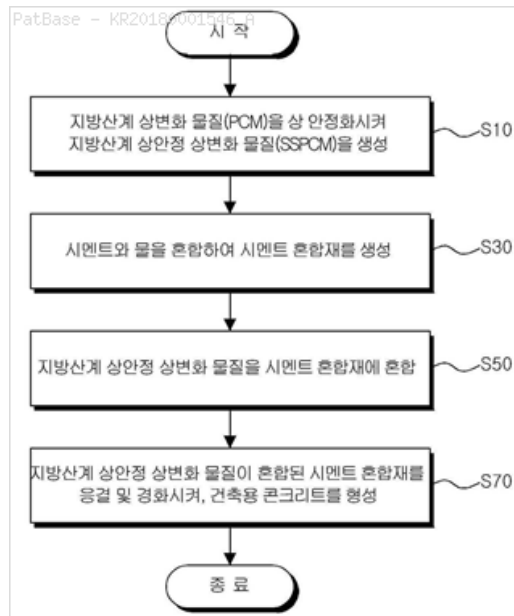
Patent	Date recorded	Event group	Code	Event	Details
KR20170141967 A	20171227	LSPB	+	published / reissued	
KR20170141967 A	20160616	LSES	A201	REQUEST FOR EXAMINATION	

Title: HEAT STORAGE PROPERTIES ENHANCED SSPCM CONCRETE AND METHOD FOR MANUFACTURING THE SAME

Abstract: Source: KR20180001546A Thermal performance is improved phase stable phase change material applied to concrete, fatty acid-based phase change material (phase change material PCM) stabilized by fatty acid phase stable phase change material on the phase change material; generating a SSPCM) (shape-stabilized; cement and water to prepare a cement admixture; generating a phase change material in the phase stability the fatty acid mixture; mixing the cement and the cement is mixed fatty acid phase stable phase change material, by condensation and curing a mixed material includes forming a concrete construction. Accordingly, heat generated along with concrete building a peak temperature in a temperature range comfortable takes effect to reduce time rack can maintain the thermal inertia, fatty acid series phase change materials, because it uses, eco-friendly and economical.

Classifications:

International (IPC 8-9): C04B14/00 C04B14/02 C04B20/00
C04B20/10 C04B24/08 C09K5/06 (Advanced/Invention)
CPC: C04B24/08 C04B14/005 C04B14/024 C04B20/0008
C04B20/1025 C09K5/063 C04B2201/30



Family:

Publication number	Publication date	Application number	Application date
KR20180001546 A	20180104	KR20170180082	20171226

Priority:

KR20170180082 20171226

Probable Assignee: FOUNDATION OF SOONGSIL UNIV IND COOPERATION

Assignee(s): (std): FOUNDATION OF SOONGSIL UNIV IND COOPERATION ; SOONGSIL UNIV RESEARCH CONSORTIUM
TECHNO PARK

Inventor(s): (std): SEONG JIN CHANG ; SEUNGHWAN WI ; SU GWANG JEONG ; SUMIN KIM

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR20180001546 A	20180104	LSPB	+	published / reissued	
KR20180001546 A	20171226	LSSES	A201	REQUEST FOR EXAMINATION	

Title: A railway embankment group C calcium silicon slag-based filler and its preparation method (Machine translation)

Abstract: Source: CN107540256A The present invention provides a calcium silicon slag-based railway embankment group C filler and its preparation method, the railway embankment group C fillers include calcium silicon slag, clay and water. The present invention can not only consumptive of industrial solid waste, but also reduce the cost of railway roadbed filler.

Classifications:

International (IPC 8-9): C04B18/04 C04B20/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107540256 A	20180105	CN201710980916	20171017

Priority:

CN201710980916 20171017

Probable Assignee: DATANG INT POWER GENERATION CO LTD ALUMINOUS RESOURCES DEVELOPMENT AND UTILIZATION OF COAL RESEARCH CENTER

Assignee(s): DATANG INT POWER GENERATION CO LTD ALUMINOUS RESOURCES DEVELOPMENT AND UTILIZATION OF COAL RESEARCH CENTER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107540256 A	20180105	LSPB	+	published / reissued	
CN107540256 A	20180105	LSPB	PB01	PUBLICATION	

Title: ORGANIC-INORGANIC HYBRID MORTAR COMPOSITION FOR REPAIRING AND RESTORING THE SURFACE OF CONCRETE STRUCTURES AND CONSTRUCTION METHOD USING THE SAME

Abstract: Source: KR101815140B The present invention is a cross-sectional repair of concrete structures and concrete repair mortar composition and the organic-inorganic hybrid relates to a construction method thereof, and more particularly, inorganic adhesive cement, slag powder, a polymer resin and reinforcing fibers including a concrete structure of the cross-sectional repair mortar and repair the organic-inorganic hybrid composition and cross-sectional recovery and repair of concrete structures using this construction method. The concrete structure of the present invention sectional repair mortar and repair the organic-inorganic hybrid composition and construction method of the concrete structure as well neutralization inhibition of shielding and chloride ions, to improve the waterproof effect improves the adhesion strength of the concrete and the shrinkage, expansion, and improve the stability of the water leakage due to the cracks recovery and repair so as to prevent lifting and material can act, in particular, the present invention, construction, repair of concrete structures using stainless wire mesh reinforcement and the concrete structures of the cross-sectional repair and repair mortar composition filling the organic-inorganic hybrid construction of the concrete effectively made excellent in durability and has an excellent effect that can be reinforced.

Classifications:

International (IPC 8-9): C04B14/06 C04B16/02 C04B18/14 C04B20/00 C04B22/00 C04B24/26 C04B28/26

E04G23/02 (Advanced/Invention);

C04B111/72 (Advanced/Non-invention)

CPC: C04B28/26 C04B14/06 C04B16/02 C04B18/142 C04B18/146 C04B20/0048 C04B22/008 C04B24/2623 C04B24/2641

E04G23/02 C04B2111/723

Family:

Publication number	Publication date	Application number	Application date
 KR101815140 B1	20180105	KR20170070557	20170607

Priority:

KR20170070557 20170607

Probable Assignee: KIM KYOUNG RAE

Assignee(s): (std): KIM KYOUNG RAE

Assignee(s): KIM KYUNG RAI

Inventor(s): (std): KAWG EUN GU ; KIM KYOUNG RAE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101815140 B1	20180105	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101815140 B1	20171227	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101815140 B1	20171228	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101815140 B1	20370607	PEXP		Calculated Patent Term Expiry	

Title: A use of discarded concrete asphalt mix and its preparation method and construction methods (Machine translation)

Abstract: Source: CN107540272A The present invention relates to a use of discarded concrete asphalt mix and its preparation method and construction methods, the discarded concrete, asphalt mixture by mixing mineral aggregate and asphalt composition, the mixed ore feed by following the mass fraction of the components: Discarded concrete regeneration pellets 68 ~ 88 percent, new aggregate is 10 to 30 percent, a filler 2 ~ 5 percent; The asphalt accounted quality mixed mineral aggregate total mass of 3 to 6 percent; Wherein the regeneration waste concrete aggregate comprises particle sizes are respectively 0.075 ~ 4.75mm, 4.75 ~ 9.5mm and 9.5 ~ 31.5mm third document specification pellets. The present invention provides an asphalt mixture road performance is good, meet the requirements of asphalt pavement construction technical specifications; And the asphalt mixture preparation process is simple, easy construction.

Classifications:

International (IPC 8-9): C04B18/16 C04B20/00 C04B20/02 C04B26/26 E01C19/16 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107540272 A	20180105	CN201710533736	20170703

Priority:

CN201710533736 20170703

Probable Assignee: DONGGUAN UNIV OF TECHNOLOGY

Assignee(s): (std): DONGGUAN UNIV OF TECHNOLOGY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107540272 A	20180105	LSPB	+	published / reissued	
CN107540272 A	20180105	LSPB	PB01	PUBLICATION	

Title: Containing three graded sand, ready-mixed mortar and application thereof (Machine translation)

Abstract: Source: CN107555897A The present invention provides a ready-mixed mortar containing three graded sand and its use, the mortar comprises the following parts by weight of raw materials: Cement 190 to 260 parts, 1400 parts of a special sand 300 -, artificial sand 1500 parts, 250 parts sand 100 --500, 170 water - 220 parts, admixture 0 to 70 parts, water reducer 6-12 parts, adjusting agent 1.5 parts 2-4 parts. The present invention can effectively reduce the amount of incorporation of part of special sand, sand, mortar skeleton made effective support, thus effectively reducing the cost of raw materials, while improving the workability of the mortar, improve mortar effect, prepared ready-mixed mortar consistency, strength, adhesion, etc. performance have achieved good results, meet the standard requirements, effectively solves the ready-mixed mortar, the raw materials such as special sand graded uncontrollable, high raw material costs and difficult mining from nature, mortar sand graded poor and other issues, effectively reducing the chance of cracking hollowing.

Classifications:
International (IPC 8-9): C04B14/06 C04B20/00 C04B28/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107555897 A	20180109	CN201710730160	20170823

Priority:
CN201710730160 20170823

Probable Assignee: CHONGQING FU WONG CONSTRUCTION OF INDUSTRIALIZATION PRODUCTS CO LTD
Assignee(s): CHONGQING FU WONG CONSTRUCTION OF INDUSTRIALIZATION PRODUCTS CO LTD

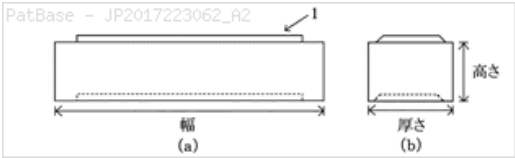
Legal status (INPADOC)
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN107555897 A	20180109	LSPB	+	published / reissued	
CN107555897 A	20180109	LSPB	PB01	PUBLICATION	

Title: For jacking method and a method of manufacturing the bearing wall block (Machine translation)

Abstract: Source: JP2017223062A The present invention is made of a material having a high compressive strength to provide a bearing wall block for jacking method. A cementitious hardened body block 1 from the bearing wall for jacking method of the cementitious cured material, cement, silica fume, BET specific surface area is 15 to 50 percent of the 25m2/g volume cumulative particle diameter of the inorganic powder is 0.8 to 5 micro m, a maximum particle size of 1.2mm or less of the aggregate A, high-performance water-reducing agent, a defoaming agent and water, and cement, silica fume and total amount of 100 percent by volume of the inorganic powder, a cement, silica fume, the proportion of the proportion of 55 to 65 percent by volume of the inorganic powder is 5 to 25 percent, by volume, 15 to 35 percent by volume ratio of the cement composition is a cured product of bearing wall block for jacking method 1. .Field 1

Classifications:
International (IPC 8-9): B28B11/24 C04B14/06 C04B14/48 C04B18/14 C04B20/00 C04B24/26 C04B24/32 C04B28/02 C04B40/02 C04B40/04 E21D9/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017223062 A2	20171221	JP20160119942	20160616

Priority:

JP20160119942 20160616

Probable Assignee: TAIHEIYO CEMENT CORP
Assignee(s): (std): TAIHEIYO CEMENT CORP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017223062 A2	20171221	LSPB	+	published / reissued	

Title: A three-dimensional mesh of thin-walled precast concrete mix (Machine translation)

Abstract: Source: CN107572946A The present invention relates to a three-dimensional mesh of thin-walled precast concrete mix, characterized in that: Using the following weight ratio of raw materials, through concrete mixer stir together: Cement: 300 to 350 kg/m³; Sand: 850 to 1000 kg/m³; Gravel: 950 to 1100 kg/m³; Superplasticizer 5.0 ~ 6.0kg/m³; Water: 180 to 200 kg/m³. During the construction process, vibrators, easy cracks, little bubbles, and improve the appearance of good quality thin-walled prefabricated acceptance rates, lower construction cost, schedule savings and other advantages.

Classifications:

International (IPC 8-9): C04B20/00 C04B28/04 E02B3/14 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107572946 A	20180112	CN201710640823	20170731

Priority:

CN201710640823 20170731

Probable Assignee: CCCC TIANJIN DREDGING CO LTD

Assignee(s): CCCC TIANJIN DREDGING CO LTD ; TDC PORT HARBOUR CONSTRUCTION ENGINEERING CO LTD

Legal status (INPADOC)

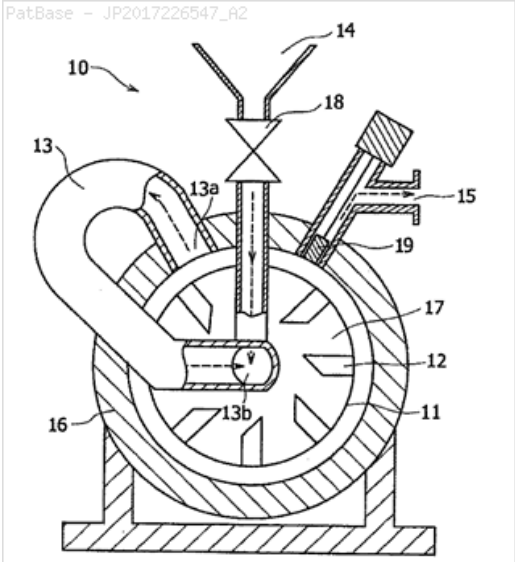
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Patent	Date recorded	Event group	Code	Event	Details
CN107572946 A	20180112	LSPB	+	published / reissued	
CN107572946 A	20180112	LSPB	PB01	PUBLICATION	

Title: Road or railway for the member, and a method of manufacturing the protection of Engineering (Machine translation)

Abstract: Source: JP2017226547A The present invention strength and toughness can be improved with improved impact resistance, durability and protection of Engineering (shed) shed, or no, it can be constructed road or rail member or the like, provides protection of Engineering Road or railway. The following (a) ~ (d) protection engineering for the member of the characteristics and the content of inorganic powder, and aggregate, cement, silica fume, A and a high performance water reducing agents, defoaming agents, and water, comprising at least a cured product of the cement composition. (A) Cement: 55 to 65 percent by volume specific surface area of silica fume is 15 to (B)BET: 5 percent to 25 percent, by volume, 25m2/g (c)50 volume cumulative particle diameter of the inorganic powder is 0.8 to 5 micro m to 35 (d): 15 percent, by volume, a maximum particle size of 1.2mm or less of the aggregate, cement, silica fume, and an inorganic powder however total content of the 100 vol percent) without background of]

Classifications:
International (ipc 8-9): C04B14/06 C04B14/38 C04B14/48 C04B16/06 C04B18/14 C04B20/00 C04B24/26 C04B28/04 C04B40/02 C04B7/52 E01F7/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017226547 A2	20171228	JP20160121327	20160620

Priority:
JP20160121327 20160620

Probable Assignee: TAIHEIYO CEMENT CORP
Assignee(s): (std): TAIHEIYO CEMENT CORP

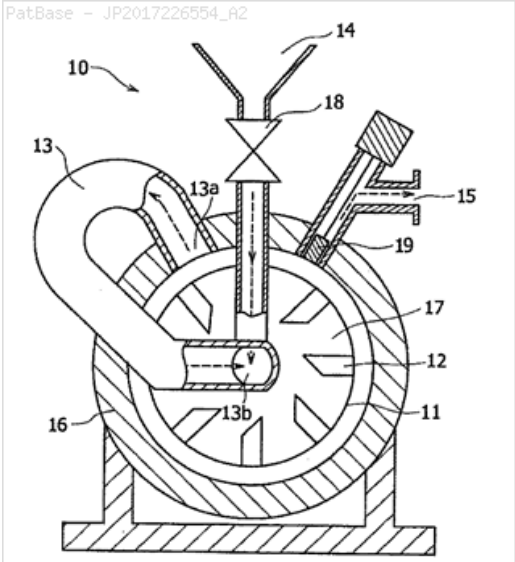
Legal status (INPADOC)
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Patent	Date recorded	Event group	Code	Event	Details
JP2017226547 A2	20171228	LSPB	+	published / reissued	

Title: The monorail track digits, and a method of manufacturing the same (Machine translation)

Abstract: Source: JP2017226554A [Problems] the present invention, high compressive strength and high flexural strength (for example, 300N/Mm2 or more) or more (for example, 30N/Mm2), which can be lightweight cementitious hardened body, to provide a digits from the monorail track The present invention of the following (a) ~ (d) of the monorail track digit of the properties and the content of inorganic powder, and aggregate, cement, silica fume, A, and the high-performance water-reducing agent, a defoaming agent, metal fibers, and water, comprising at least a cured product of the cement composition. (A) Cement: 55 to 65 percent by volume specific surface area of silica fume is 15 to (B)BET: 5 percent to 25 percent, by volume, 25m2/g (c)50 volume cumulative particle diameter of the inorganic powder is 0.8 to 5 micro m to 35 (d): 15 percent, by volume, a maximum particle size of 1.2mm or less of the aggregate, cement, silica fume, and an inorganic powder, however the content of total 100 percent by volume. No) BACKGROUND OF]

Classifications:
International (ipc 8-9): B28B11/24 C04B14/06 C04B14/48 C04B18/14 C04B20/00 C04B24/26 C04B28/02 C04B40/02 C04B7/02 E01B25/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017226554 A2	20171228	JP20160121831	20160620

Priority:
JP20160121831 20160620

Probable Assignee: TAIHEIYO CEMENT CORP
Assignee(s): (std): TAIHEIYO CEMENT CORP

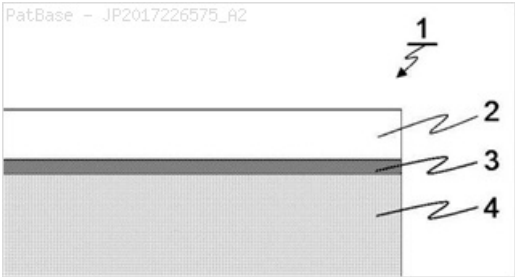
Legal status (INPADOC)
[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
JP2017226554 A2	20171228	LSPB	+	published / reissued	

Title: Floor Finish self-leveling material (Machine translation)

Abstract: Source: JP2017226575A The present invention self-leveling mortar fluidity and is excellent in smoothness, it is possible to obtain fast curing quick-drying, even under low temperature curing as finishing material adaptable excellent surface strength and wear resistance, it is possible to form a cured product having a floor finish for the self-leveling material. A hydraulic component, blast furnace slag fine powder, fine aggregate, Redispersible resin powder, a fluidizing agent, a thickener, a curing accelerator and by containing a setting retarder, floor finish self-leveling material, the content of Redispersible resin powder hydraulic component 100 parts by weight 5 to 15 parts by weight, the content of the lithium salt per 100 parts by weight of hydraulic component 0.1 to 2.0 parts by weight, the content of sodium aluminate, relative to 100 parts by weight of hydraulic component, 0.1 to 2.0 parts by weight self-leveling material, floor finish. .Field 1

Classifications:
International (IPC 8-9): C04B18/14 C04B20/00 C04B22/08 C04B22/10 C04B24/06 C04B24/26 C04B24/38 C04B28/04 C04B28/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017226575 A2	20171228	JP20160123919	20160622

Priority:

JP20160123919 20160622

Probable Assignee: UBE INDUSTRIES

Assignee(s): (std): UBE INDUSTRIES

Assignee(s): UBE IND LTD

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017226575 A2	20171228	LSPB	+	published / reissued	

Title: Concrete composition (Machine translation)

Abstract: Source: JP2017226587A The present invention concrete pump by pumping concrete kneaded product, it is possible to perform, it is possible to form a concrete composition, the fluidity of the concrete kneading after pumping pumping is lower than before, it is possible to prevent the concrete composition, and an object thereof is to provide a A fine aggregate and coarse aggregate and cement and concrete composition based on the total amount of the fine aggregate, 10 parts by weight percent or more and 25 percent by weight or less of natural sand, 75 percent by weight or greater and 90 percent by weight or less of crushed sand as fine aggregate. Background of no

Classifications:

International (IPC 8-9): C04B14/06 C04B14/28 C04B20/00 C04B28/02 E04G21/02 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP2017226587 A2	20171228	JP20160125740	20160624

Priority:

JP20160125740 20160624

Probable Assignee: SUMITOMO OSAKA CEMENT CO LTD

Assignee(s): (std): SUMITOMO OSAKA CEMENT CO LTD

Legal status (INPADOC)

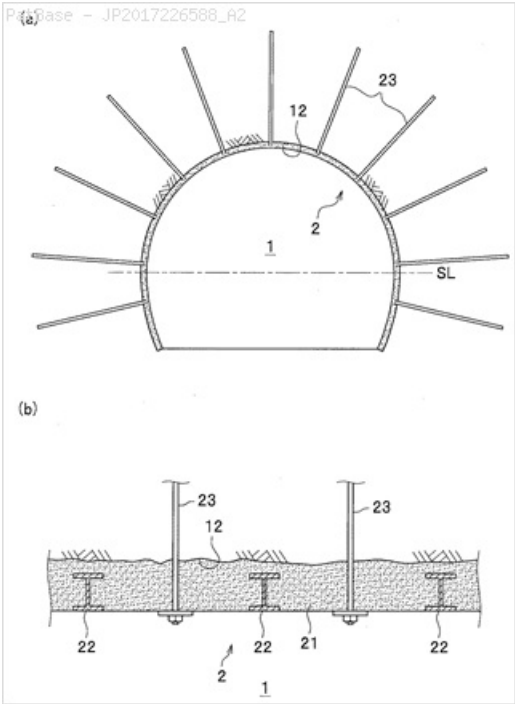
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Patent	Date recorded	Event group	Code	Event	Details
JP2017226587 A2	20171228	LSPB	+	published / reissued	

Title: Spraying material (Machine translation)

Abstract: Source: JP2017226588A The present invention material required for the disposal of rebound reduction of labor and cost of the spraying material. A cement, and aggregate, and water, quick-setting agent added to base concrete, spraying material comprising a base concrete aggregate, materials usage of 50 percent or less of the material, concrete factories splashes mortar paste rebound is attached to the material of the bone material, and, in the range of 13.2 to sieve sieved 4.75Mm. .Field 1

Classifications:
International (IPC 8-9): C04B18/16 C04B20/00 C04B28/02 E04G21/02 E21D11/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017226588 A2	20171228	JP20160125793	20160624

Priority:
JP20160125793 20160624

Probable Assignee: TAISEI CORP
Assignee(s): (std): TAISEI CORP
Agent(s): ISONO INT PATENT OFFICE PC

Legal status (INPADOC)
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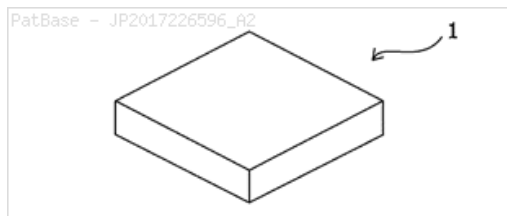
Patent	Date recorded	Event group	Code	Event	Details
JP2017226588 A2	20171228	LSPB	+	published / reissued	

Title: The explosion-proof panel and a manufacturing method thereof (Machine translation)

Abstract: Source: JP2017226596A The present invention cementitious hardened body having a high compressive strength, impact resistance and excellent in fire resistance, to provide the explosion-proof to the panel. A cementitious hardened body panel 1 from the explosion-proof of the cementitious cured material, cement, silica fume, 25m²/g BET specific surface area is 15 to 50 percent of the volume cumulative particle diameter of the inorganic powder is 0.8 to 5 micro m, a maximum particle size of 1.2mm or less of the aggregate, high-performance water reducing agent, a defoaming agent, a metal fibers, organic fibers, and the cement, and water, and the inorganic powder of the silica fume in the total amount 100 percent by volume, the cement, the proportion of the proportion of 55 to 65 percent by volume of the silica fume, the inorganic powder is 5 to 25 percent, by volume, 15 to 35 percent, by volume, the ratio of the cement composition is a cured product of the explosion-proof to the panel 1. .Field 1

Classifications:

International (IPC 8-9): C04B14/06 C04B14/48 C04B16/06
C04B18/14 C04B20/00 C04B24/26 C04B28/04
C04B40/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2017226596 A2	20171228	JP20170116470	20170614

Priority:

JP20160120425 20160617

Probable Assignee:

TAIHEIYO CEMENT CORP

Assignee(s): (std):

TAIHEIYO CEMENT CORP

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2017226596 A2	20171228	LSPB	+	published / reissued	

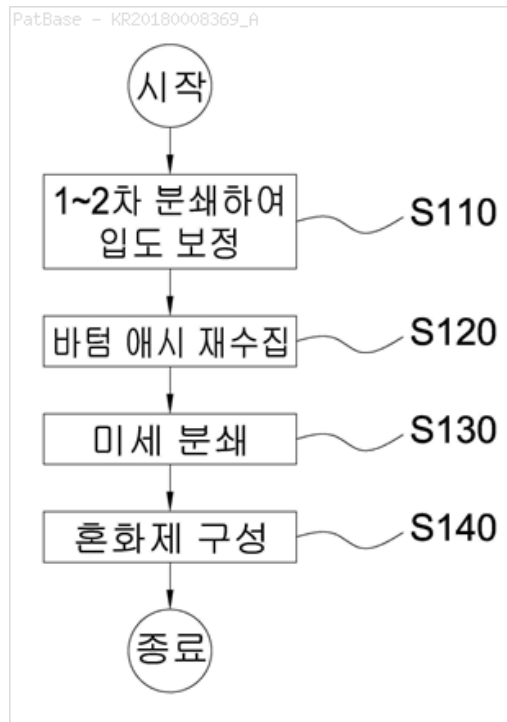
Title: Bottom ash concrete admixture concrete admixture produced by the method and its manufacturing method (Machine translation)

Abstract: Source: KR20180008369A In the thermal power plant waste concrete admixture contained in the bottom ash prepared by the method and a method for manufacturing a admixture is disclosed. This method is to classify the bottom ash, roll mill, an impact using at least one of the roller press pulverized with a lightweight aggregate of primary to 2, lightweight aggregate and bottom ash and not used in the primary and secondary pulverized using a mill, bottom ash residue on 70% of the particle size of not more than 45 μ m is a derivative of the finely ground, characterized in that the configuration that the concrete admixture. According to the present invention, by using the bottom ash concrete admixture or lump it can provide a lightweight aggregate.

Classifications:

International (IPC 8-9): C04B18/06 C04B20/00
C04B20/02 (Advanced/Invention)

CPC: C04B18/06 C04B20/008 C04B20/026



Family:

Publication number	Publication date	Application number	Application date
KR20180008369 A	20180124	KR20170180189	20171226

Priority:

KR20170180189 20171226

Probable Assignee: GREEN ENV CO LTD

Assignee(s): (std): GREEN ENV CO LTD

Assignee(s): GREEN ENVIRONMENT CO ; CO LTD GREEN ENVIRONMENT

Inventor(s): (std): IM DAE BIN ; IM MYEONG SUN

Legal status (INPADOC)

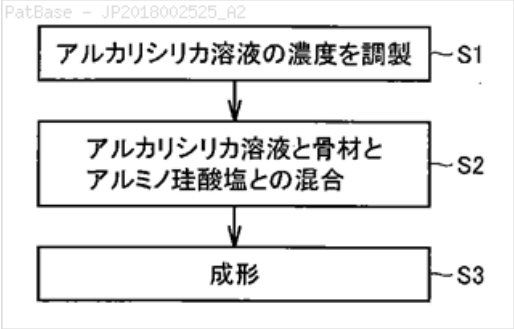
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Patent	Date recorded	Event group	Code	Event	Details
KR20180008369 A	20180124	LSPB	+	published / reissued	

Title: And silicate silicate polymer polymer molded article production method of the molded body (Machine translation)

Abstract: Source: JP2018002525A The present invention, while suppressing a decrease in design property to improve the strength, silicate and silicate polymer polymer molded article production method of the molded body. A aggregate, and aluminosilicate, an alkali mixture comprising silica solution is molded using a silicate polymer molded body, aluminosilicate median diameter is greater than 2.6 micro m. 25.0 micro m silicate polymer molded body. Aggregate and alkali aluminosilicate silica solution and by mixing step to produce a mixture, and a step of molding a mixture of generating a greater than 2.6 micro m. median diameter 25.0 micro m or less. Having to use aluminosilicate silicate polymers. The method for manufacturing a molded body. Generating a M2/cc is 1.0 to having a specific surface area of less than 4.0, it is preferable to use aluminosilicate silicate polymers. The method for manufacturing a molded body. Background of no

Classifications:
International (IPC 8-9): C04B14/10 C04B20/00
C04B28/26 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2018002525 A2	20180111	JP20160129858	20160630

Priority:
JP20160129858 20160630

Probable Assignee: DAIWA HOUSE IND
Assignee(s): (std): DAIWA HOUSE IND
Assignee(s): DAIWA HOUSE IND CO LTD
Agent(s): IMY INT PATENT OFFICE PC

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
JP2018002525 A2	20180111	LSPB	+	published / reissued	

Title: ECO-FRIENDLY BUILDING MATERIALS USING PERLITE AND THE MANUFACTURING METHOD THEREOF

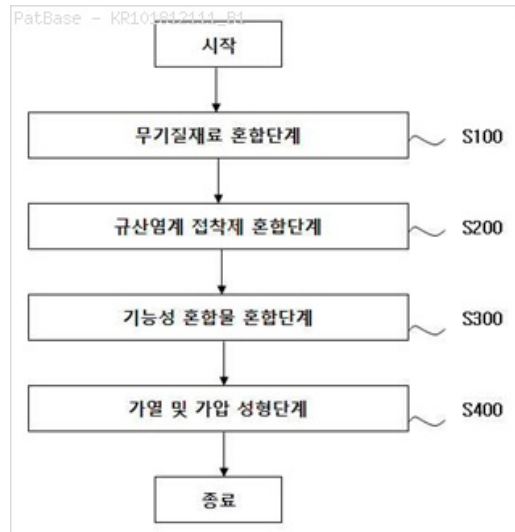
Abstract: Source: KR101812111B The present invention inorganic materials containing the perlite that comprises the liquid sodium silicate is prepared by mixing a silicate-based adhesive relates to environment-friendly construction materials using the perlite is effective thermal insulation lightweight and durable and strong toxic emissions of harmful environment without write down can create a pleasant indoor environment, there is an effect.

Classifications:

International (IPC 8-9): C04B14/10 C04B14/18 C04B14/20 C04B14/34 C04B14/42 C04B14/46 C04B20/00 C04B20/04 C04B28/26 (Advanced/Invention);

C04B103/00 C04B111/00 (Advanced/Non-invention)

CPC: C04B14/18 C04B14/10 C04B14/202 C04B14/34 C04B14/42 C04B14/46 C04B20/0076 C04B20/04 C04B28/26 C04B2103/0097 C04B2111/00017



Family:

Publication number	Publication date	Application number	Application date
KR101812111 B1	20180125	KR20170121581	20170921

Priority:

KR20170121581 20170921

Probable Assignee:

JUNG MYUNG JIN

Assignee(s): (std):

JUNG MYUNG JIN

Assignee(s):

CHUNG MYUNG JIN

Inventor(s): (std):

JUNG MYUNG JIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
KR101812111 B1	20180125	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101812111 B1	20171206	LSGT	+E701	DECISION TO GRANT OR REGISTRATION OF PATENT RIGHT	
KR101812111 B1	20171219	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101812111 B1	20370921	PEXP		Calculated Patent Term Expiry	

Title: ENVIRONMENTAL MORTAR COMPOSITONS

Abstract: Source: KR101814122B The present invention is based on 100 parts by weight desulfurization gypsum, silica sand 100 to 400 parts by weight, 80 to 200 parts by weight of blast furnace slag 5 to 30 parts by weight, expandable material, natural anhydrite resin powder 5 to 30 parts by weight, 5 to 30 parts by weight, 5 to 30 parts by weight, the curing agent 3 to 15 parts by weight, 3 to 10 parts humectant, condensation control material 1 to 9 parts by weight to 9 parts by weight of thickener, 1, 1 to 3 parts by weight of fluidizing agent characterized in that it comprises relates to a mortar composition is environmentally friendly.

Classifications:

International (IPC 8-9): C04B14/06 C04B14/38 C04B18/14 C04B20/00 C04B22/00 C04B28/14 C04B28/16 C04B40/00 (Advanced/Invention); C04B103/10 C04B111/00 (Advanced/Non-invention)

CPC: C04B40/0039 C04B14/06 C04B14/38 C04B18/141 C04B20/0056 C04B22/008 C04B28/144 C04B28/16 C04B2103/10 C04B2111/00017 C04B2201/50

Family:

Publication number	Publication date	Application number	Application date
 KR101814122 B1	20180130	KR20160179191	20161226

Priority:

KR20160179191 20161226

Probable Assignee: HBTECHNOLOGY CO LTD

Assignee(s): (std): HBTECHNOLOGY CO LTD

Assignee(s): NOTE H BEATTY ; HBTECHNOLOGY CO

Inventor(s): (std): CHA YOUN HO ; KIM KYUNG HWAN ; LEE KYUNG BOK ; SON SUCK JE

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Patent	Date recorded	Event group	Code	Event	Details
KR101814122 B1	20180130	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101814122 B1	20171226	LSGT	+GRNT	WRITTEN DECISION TO GRANT	
KR101814122 B1	20361226	PEXP		Calculated Patent Term Expiry	

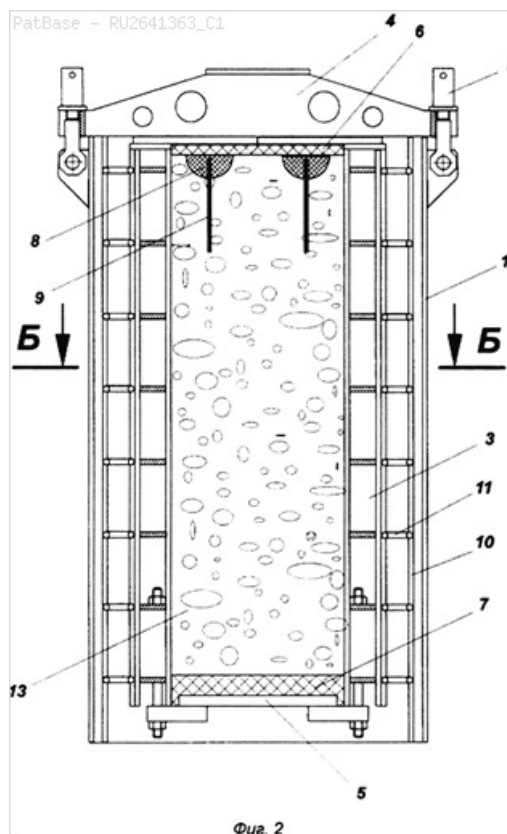
Title: METHOD OF MANUFACTURING PRODUCTS UNDER PRESSURE FROM HIGH-STRENGTH FIBROUS CONCRETE

Abstract: Source: RU2641363C FIELD: construction.SUBSTANCE: method of manufacturing products under pressure of high-strength fibrous concrete, by which reinforcement is installed (if necessary) and concrete mixture is laid in the mould cavity. Thereinafter, the mould is closed and pressure is created inside the mould by means of a press, whereby the concrete mixture is pressed out. After the concrete has gained strength, the product is released from excess pressure and removed from the mould. Wherein the concrete mixture is filled with metallic or non-metallic fibres before the concrete mixture is laid in the mould, whereby fibrous concrete is obtained. The concrete mixture laid in the mould is held therein at a pressure of not less than 2.5 MPa before gaining the stripping strength, but not less than for 240 minutes. The hardening concrete mixture is heated to a temperature of not more than 80 degrees centigrade due to feeding a coolant inside the mould cavity. Wherein the coolant temperature for heating up the products to be moulded should not exceed 95 degrees centigrade, and the temperature increase rate should not exceed 35 degrees centigrade per hour.EFFECT: improving the technical characteristics of products, reducing the reinforcement consumption, reducing the labour intensity and the work implementation time.4 dwg

Classifications:

International (IPC 8-9): B28B11/24 B28B3/00 C04B20/00 C04B40/00 (Advanced/Invention)

CPC: B28B3/00 B28B11/24 C04B20/0052 C04B40/0082 C04B41/0072



Family:

Publication number	Publication date	Application number	Application date
RU2641363 C1	20180117	RU20160139834	20161010

Priority:

RU20160139834 20161010

Probable Assignee: ANPILOV SERGEJ MIKHAILOVICH

Assignee(s): (std): ANPILOV SERGEJ MIKHAILOVICH

Assignee(s): ANPILOV SERGEY

Inventor(s): (std): ANPILOV SERGEJ MIKHAILOVICH ; MURASHKIN GENNADIJ VASILEVICH ; MURASHKIN VASILIJ GENNADEVICH

Agent(s): OOO INNOVATIONNAYA PRIORITET FA

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Patent	Date recorded	Event group	Code	Event	Details
RU2641363 C1	20180117	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2641363 C1	20361010	PEXP		Calculated Patent Term Expiry	

Title: A use of construction waste preparation concrete sprayed anchor (Machine translation)

Abstract: Source: CN107640939A The present invention belongs to the field of solid waste treatment technology, the proposed use of construction waste produced using waste concrete as anchor sprayed concrete, construction waste recycled coarse aggregate and fine aggregate. Compared with the traditional anchor sprayed concrete, the present invention utilizes the construction waste produced anchor sprayed concrete has the following characteristics: Overall strength and compactness increase, suitable for high strength concrete sprayed anchor engineering construction. In natural resource scarcity of urban scale use can highlight the cost advantage.

Classifications:

International (IPC 8-9): C04B18/16 C04B20/00 C04B28/04 E02D29/045 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107640939 A	20180130	CN201710890154	20170927

Priority:

CN201710890154 20170927

Probable Assignee: BEIJING SHOUGANG RESOURCES COMPREHENSIVE UTILIZATION TECHNOLOGY DEVELOPMENT CO

Assignee(s): BEIJING SHOUGANG RESOURCES COMPREHENSIVE UTILIZATION TECHNOLOGY DEVELOPMENT CO

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Patent	Date recorded	Event group	Code	Event	Details
CN107640939 A	20180130	LSPB	+	published / reissued	
CN107640939 A	20180130	LSPB	PB01	PUBLICATION	

Title: METHOD FOR PRODUCING FLOOR MATERIALS WITH NANO CARBON STAPLE FIBERS AND METHOD FOR PAINTING USING THE SAME

Abstract: Source: KR101825170B The present invention, constructed factories, parking, etc. Preparation of the nano-carbon fiber composite flooring and relates to a construction method, base resin, the curing agent is a 2-component method of manufacturing a flooring comprising: (a), the nano-carbon powder and functional fiber (staple fiber), inorganic material formed by ball milling, homogenizing the functional to prepare a homogeneous and (b) to the polyfunctional homogeneous body encapsulates a solventless by mixing a binder, water to prepare a subject capsule characterized in that it comprises the step of. Carbon nano-fiber composite according to the present invention and construction method for manufacturing the floor, eco-friendly, crack resistance and durability are excellent, and the coating film after the film formation, and is also excellent in smoothness of the surface of the It has the advantage.

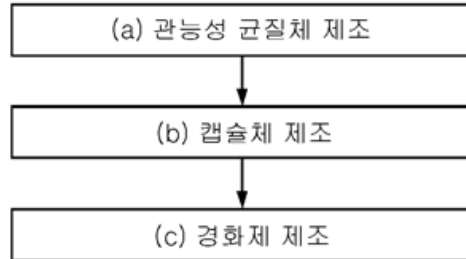
Classifications:

International (IPC 8-9): C04B14/02 C04B16/06 C04B20/00

C04B20/02 C04B41/45 C04B41/52 E04F15/12 (Advanced/Invention);
C04B111/60 (Advanced/Non-invention)

CPC: C04B14/022 C04B14/306 C04B16/06 C04B20/008 C04B20/026
C04B41/455 C04B41/522 E04F15/12 C04B2111/60

PatBase - KR101825170_B1



Family:

Publication number	Publication date	Application number	Application date
KR101825170 B1	20180202	KR20170124153	20170926

Priority:

KR20170124153 20170926

Probable Assignee: ID CONSTRUCTION CO LTD

Assignee(s): ID CONSTRUCTION CO LTD

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Patent	Date recorded	Event group	Code	Event	Details
KR101825170 B1	20180202	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101825170 B1	20370926	PEXP		Calculated Patent Term Expiry	

Title: A polymer concrete pipe material (Machine translation)

Abstract: Source: CN107698197A A polymer concrete pipe material, the present invention belongs to the technical field of polymer concrete, by mass%, comprising aggregate 92 - 93.5%, the resin binder, additives totaling 6.5 -8%, the mass ratio of the aggregate comprises (20 -30):(30 -40):(12 -16):(12 -10):(3 -8) of 16):(5 -3/8 -4 mesh quartz sand, quartz sand 4-13.10 mesh, 10-30 purpose quartz sand, 30-70 mesh quartz sand, 70 - 120 mesh quartz sand, 120 - 250 mesh quartz sand. The polymers of the present invention concrete pipe material by ingredients and mix design, preparation of polymer concrete material low cost, environmentally friendly, corrosion resistance, high pressure resistance, cold, long service life, excellent overall performance.

Classifications:

International (IPC 8-9): C04B20/00 C04B26/18 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107698197 A	20180216	CN201710823650	20170913

Priority:

CN201710823650 20170913

Probable Assignee: ELECTRICAL EQUIPMENT CO LTD SHANDONG CHING

Assignee(s): ELECTRICAL EQUIPMENT CO LTD SHANDONG CHING

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107698197 A	20180216	LSPB	+	published / reissued	

Title: A high-iron and noise reduction of noise insulation plate preparation method (Machine translation)

Abstract: Source: CN107721253A The present invention discloses a method for preparing high-iron and noise reduction of noise insulation plate, which comprises the following steps: (1) The previously added a coupling agent, the binder and the filler particles large particles, small particles and skeleton skeleton were stirred and mixed uniformly, placed 0.2 - 0.5 hours; (2) laying a layer of large particles within the mold skeleton vibration compacting; (3) in step (2) the mold and the laying of two small particles skeleton vibration compacting; (4) in step (3) the mold until the mold is filled with the filler particles added to the continuous vibration particles are no longer drops stop filling particles added; (5) the step (4) particles in a mold pressing, mold release dry. The present invention uses hierarchical, fractional tap preparation, so that the microparticles of the microparticle slits staggered, to ensure sound insulation board dense without gaps.

Classifications:

International (IPC 8-9): C04B111/52 C04B20/00 C04B26/10 C04B26/12 C04B26/14 E01F8/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 CN107721253 A	20180223	CN201711101084	20171110

Priority:

CN201711101084 20171110

Probable Assignee:

ZHANG KEQIN

Assignee(s):

ZHANG KEQIN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN107721253 A	20180223	LSPB	+	published / reissued	

Title: METODOS UTILIZANDO CIMENTO NANO-HIDRAULICO, DE CIMENTACAO EM UMA FORMACAO SUBTERRANEA, DE FRATURA EM UMA FORMACAO SUBTERRANEA, E DE RECHEIO COM CASCALHO EM UMA FORMACAO SUBTERRANEA, COMPOSICAO, E, FLUIDO DE TRATAMENTO DE POCO Methods UTILIZING NANO-hydraulic cement, CEMENTING IN A SUBTERRANEAN FORMATION FRACTURE IN A SUBTERRANEAN FORMATION, AND GRAVEL IN A SUBTERRANEAN FORMATION, THE COMPOSITION AND WELL TREATMENT FLUID (Machine translation)

Classifications:
International (IPC 8-9): C04B20/00 C04B28/04 C09K8/46 C09K8/70 C09K8/80 E21B43/04 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
 BRPI0921499 A2	20170829	BR2009PI21499	20091102

Priority:
US20080263954 20081103 WO2009GB02596 20091102

Probable Assignee: HALLIBURTON ENERGY SERVICE INC

Assignee(s): HALLIBURTON ENERGY SERVICE INC

Inventor(s): CRAIG WAYNE RODDY

Legal status (INPADOC)
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Patent Date recorded Event group Code Event Details