

Alerta

Agosto 2012

Riles

Base Explorada		Restriccion	Registros	
Repositorio INAPIPROYECTA		Año 2002 - 2009	4	
Codigo Filtrado				
Fecha	2012-08-08	Area	Mineria	Sub Area Riles

PATENTES



SYSTEM FOR TREATMENT OF ACID MINE DRAINAGE

1020070117997	País: Korea	Solicitante: KIGAM	Fecha: 2009 / 05 / 22
---------------	--------------------	---------------------------	------------------------------

Inventores: LEE, DONG KIL

Resumen: PURPOSE: A multilayer-typed system for treatment of acid mine drainage is provided to prevent degradation of transparency due to precipitation of the metal sulfide and metal hydroxide, and to extend lifetime remarkably. CONSTITUTION: A multilayer-typed system for treatment of acid mine drainage process acid mine drainage by using an organic system which contains microorganisms. The microorganisms reduce metal sulfate of the acid mine drainage into metal sulfide. The organic system includes one or more bioreactors including one or more organic layers. Each organic layer is comprised of a separable mat. The system includes more a lime tank, a

Enlace: http://patentscope.wipo.int/search/es/detail.jsf?docId=KR4230552&recNum=1&office=&queryString=EN_AB%3A%28Acid+Mine+Drainage%29+AND+EN_AB%3Atreatment+&prevFilter=&sortOption=Pertinencia&maxRec=9



TREATMENT AND PREVENTION SYSTEMS FOR ACID MINE DRAINAGE AND HALOGENATED CONTAMINANTS

2009038851	País: Estados Unidos	Solicitante: University of Wyoming ...	Fecha: 2009 / 03 / 26
------------	-----------------------------	---	------------------------------

Inventores: JIN, Song; (US); FALLGREN, Paul, H. (US); MORRIS, Jeffrey, M. (US)

Resumen: Embodiments include treatments for acid mine drainage generation sources perhaps by injection of at least one substrate and biologically constructing a protective biofilm on acid mine drainage generation source materials. Further embodiments include treatments for degradation of contaminated water environments with substrates such as returned milk and the like.

Enlace: http://patentscope.wipo.int/search/es/detail.jsf?docId=WO2009038851&recNum=2&office=&queryString=EN_AB%3A%28Acid+Mine+Drainage%29+AND+EN_AB%3Atreatment+&revFilter=&sortOption=Pertinencia&maxRec=9



AN EFFLUENT TREATMENT PROCESS

2007116247	País: Sudáfrica	Solicitante: HOWARD, Darryl	Fecha: 2007 / 10 / 18
------------	------------------------	------------------------------------	------------------------------

Inventores: ROBINSON ROBIN EDMUND GUTHRIE

Resumen: A process for the treatment of effluent, particularly acid mine drainage, is provided which includes the steps of a. neutralising acid; b. removing cations by ion exchange using a cation resin; c. regenerating the cation resin; d. treating the eluates of the cation ion exchange step; e. adsorbing anions from the effluent of the cation removal step using an anion exchange resin; and f. regenerating the anion exchange resin.

Enlace: http://patentscope.wipo.int/search/es/detail.jsf?docId=EP15011599&recNum=3&office=&queryString=EN_AB%3A%28Acid+Mine+Drainage%29+AND+EN_AB%3Atreatment+&prevFilter=&sortOption=Pertinencia&maxRec=9



REMEDIATION OF METAL CONTAMINANTS WITH HYDROCARBON-UTILIZING BACTERIA

2003011487	País: Estados Unidos	Solicitante: Global Biosciences, Inc.	Fecha: 2003 / 02 / 13
------------	-----------------------------	--	------------------------------

Inventores: PERRIELLO, FELIX ANTHONY;

Resumen: Methods and apparatus are disclosed for remediating metal contaminants using hydrocarbons which stimulate the growth of hydrocarbon-utilizing bacteria. The metal contaminants may include heavy metals such as arsenic, antimony, beryllium, cadmium, chromium, copper, lead, mercury, iron, manganese, magnesium, radium, nickel, selenium, silver, thallium and zinc. The hydrocarbon may include alkanes, alkenes, alkynes, poly(alkene)s, poly(alkyne)s, aromatic hydrocarbons, aromatic hydrocarbon polymers and aliphatic hydrocarbons. Butane is a particularly suitable hydrocarbon which stimulates the growth of butane-utilizing bacteria. Remediation may occur in-situ or exsitu, and may occur under aerobic, anaerobic or dual aerobic/anaerobic conditions. Examples of applications include the remediation of heavy metals, the remediation of arsenic impacted surface

Enlace: http://patentscope.wipo.int/search/es/detail.jsf?docId=WO2003011487&recNum=8&office=&queryString=EN_AB%3A%28Acid+Mine+Drainage%29+AND+EN_AB%3A+treatment+&revFilter=&sortOption=Pertinencia&maxRec=9

Condiciones de Uso

La información contenida en esta "Alerta" corresponde a documentos de patentes que pueden estar concedidas o que no han concluido su tramitación, por lo que no son necesariamente de dominio público en Chile. Por lo tanto, antes de utilizar la información deberá analizar la situación de la patente en Chile o en el territorio que se quiera utilizar.

Para patentes de dominio público puede revisar en nuestro Centro de Documentación los "Boletines de dominio público".

Esta publicación ha sido desarrollada con la ayuda financiera de la Unión Europea. Su contenido es responsabilidad exclusiva de INAPI y en ningún caso debe considerarse que refleja los puntos de vista de la Unión Europea.

