

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: 16000382				
CRITERIOS PARA LA BÚSQUEDA				
Palabras clave utilizadas		composición suelos con hidrocarburos, Composition AND soil remediation, extraction method AND crude oil, petroleum contamination soil, compostion extraction AND cocamide DEA AND ethanol, extaction oils, extraction AND soil AND ethanol		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: B09C 1/08, B09C 1/02, B09C 1/00.		
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/ Autor*	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (con indicación, si procede, de las partes relevantes)	Categoría especiales de los documentos citados**
USPTO	US2008312122 (A1)	18/12/2008	1 – 3 (Págs. 1-5, ejemplos 1,3-5).	Y
PatBase	CN102183390A	14/09/2011	1 y 3 (Págs. 1 y 2, ejemplo 1).	A
	US2013288935A	31/10/2013	1 y 3 (Reiv. 1-10, ejemplos).	A
Espacenet	KR100294473	17/04/2001	1 – 3 (Págs. 1-10, 127-131).	Y
	CN105616202	06/01/2016	1 - 3 (Abstract, ejemplo 1).	E
	YAP (2009)	18/11/2009	1 y 3 (Págs. 2-8, 272-288).	A
** Categorías especiales de documentos citados:				
“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.		“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.		

Literatura no patente *Se incluye entre otros, toda la referencia de la literatura no patente.	YAP C.J, <i>et al.</i> (2009). Review. Aplicacion of vegetable oils in threatment of polycyclic aromatic hidrocarbons-contaminated soils. Journal of Hazarous Materials 177 (2010). Págs. 28-41.Elsevier.
Fecha del reporte de búsqueda:	12 de junio de 2017.

Search 12: TAC=(extraction AND soil AND ethanol AND crude oil)
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#	Search query	Results	Options
12	TAC=(extraction AND soil AND ethanol AND crude oil)	8	View Browse Hits Optimise more...
11	TAC=(extraction AND soil AND ethanol AND oil)	108	View Browse Hits Optimise more...
10	TAC=(extraction AND soil AND ethanol)	254	View Browse Hits Optimise more...
9	TAC=(composition AND soil)	26473	View Browse Hits Optimise more...
8	TAC=(extraction oil AND soils)	0	
7	TAC=(extraction oils)	0	
6	TAC=(composition AND cocamide DEA)	1	View Browse Hits Optimise more...
5	TAC=(composition extraction AND cocamide DEA)	0	
4	TAC=(composition extraction AND cocamide DEA AND ethanol)	0	
3	TAC=(petroleum contamination soil)	1	View Browse Hits Optimise more...
2	TAC=(extraction method AND crude oil)	100	View Browse Hits Optimise more...
1	TAC=(Composition AND soil remediation)	118	View Browse Hits Optimise more...

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6) Family number: 49587836 (CN102183390A)

Similar Translate Full-text Status Citations

Title: [EN] ENVIRONMENT-FRIENDLY ROCK SAMPLE RESIDUAL CRUDE OIL EXTRACTION METHOD

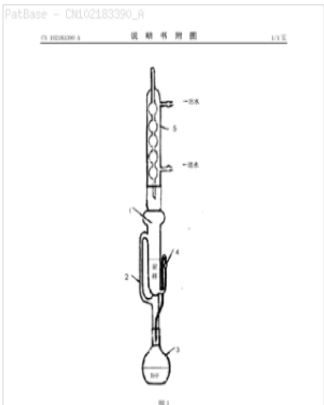
Abstract: Source: CN102183390A [EN] The invention provides an environment-friendly rock sample residual crude oil extraction method, comprising the following steps: a. tetrahydrofuran and absolute ethyl alcohol are mixed according to the ratio tetrahydrofuran: absolute ethyl alcohol=1: (0-0.2) based on parts by volume to obtain crude oil extraction solvent; b. the crude oil extraction solvent of Step a is added into an evaporator of an extractor, and rock samples are added into a crude oil extractor; c. the evaporator is electrically heated, steam enters into a condenser through a connection pipe, and the condensed solvent flows into the crude oil extractor to dissolve crude oil in the rock samples; and d. the solvent dissolved with the crude oil returns to the evaporator via a side siphon, and the tetrahydrofuran solvent is recycled.

Classifications: Classification Explorer

International (IPC 8-9): B01D11/02 G01N1/28 (Advanced/Invention)

Family: Family Explorer

Publication number	Publication date	Application number	Application date	Links
CN102183390 A	20110914	CN201110038878	20110216	  



7) Family number: 53664379 (US2013288935A)

Similar Translate Full-text Status Citations

Title: [EN] COMPOSITIONS AND METHODS USEFUL FOR OIL EXTRACTION

Abstract: Source: US2013288935A [EN] The present invention relates to compositions comprising a plant material, and methods for using the same in extracting or removing a hydrocarbon-containing substance from a substrate or remediating a substrate.

Classifications: Classification Explorer

International (IPC 8-9): B01D11/00 B09B3/00 B09C1/02 B09C1/08 C02F1/00 C02F1/26 C02F11/00 C08L89/00 C09K C09K3/32 C09K8/06 C09K8/588 C09K8/60 C09K8/68 C09K8/88 C10G1/04 C11D3/382 C9K8/60 E21B43/26 (Advanced/Invention); C09K (Subclass/Invention)

CPC: E21B43/26 C02F1/00 C09K8/90 C10G21/06 C09K3/32 C10G1/047 B01D11/0288 C10G1/045 C09K8/68

US: 166/308.2 208/390 210/749 252/364 507/204 510/119 510/130 510/160 510/238 510/240 510/245 510/344 510/365

Family: Family Explorer

Publication number	Publication date	Application number	Application date	Links
AU2012329207 AA	20130502	AU20120329207	20121011	  
AU2012329207 BB	20160825	AU20120329207	20121011	  
CA2851520 AA	20140408	CA20122851520	20121011	  
EP2766448 A1	20140820	EP20120842757	20121011	  
EP2766448 A4	20150624	EP20120842757	20121011	  
IL232023 A0	20140528	IL20140232023	20140409	  

