



(19)

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 380 630 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
28.01.2004 Bulletin 2004/05

(51) Int Cl.⁷: **C10G 1/00**

(43) Date of publication A2:
14.01.2004 Bulletin 2004/03

(21) Application number: **03015875.2**

(22) Date of filing: **11.07.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

(30) Priority: **11.07.2002 GB 0216068
30.04.2003 GB 0309871**

(71) Applicant: **Herbal Apothecary Limited
Syston, Leicester LE7 1GQ (GB)**

(72) Inventor: **Daniels, Anthony
Thrushington, Leicester (GB)**

(74) Representative: **Wood, Graham
Bailey Walsh & Co,
5 York Place
Leeds LS1 2SD (GB)**

(54) **Hydrocarbon wetting and separation agent**

(57) The invention relates to the provision of an oil wetting and removal agent which allows the effective and environmentally friendly removal and/or separation of oil and other petrochemical products from material such as oil drillings, rocks, plant and/or marine life. The

wetting agent is typically mixed to provide an emulsion which acts to attract the oil from the said materials and hence allow the cleaning of the same. The wetting agent includes a plant extract or extracts therein.

EP 1 380 630 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 03 01 5875

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 414 027 B1 (NEAL GARY W) 2 July 2002 (2002-07-02) * column 6, line 30 - column 7, line 62 * * column 14, line 52 - line 67; claims 1,8 *	1-13, 15-17	C10G1/00
X	EP 0 610 502 A (HISAMITSU PHARMACEUTICAL CO ;ASAHI CHEMICAL IND (JP)) 17 August 1994 (1994-08-17) * page 5, line 5 - line 17 *	1-8, 10-17	
X	US 4 579 858 A (HELGERTZ STIG K A ET AL) 1 April 1986 (1986-04-01) * column 3, line 25 - line 52 * * column 7, line 29 - line 40; claim 1 *	1-7, 11-13, 15,17	
X	WO 97 06812 A (SCI QUIP AUSTASIA PTY LTD ;FLYNN WILLIAM (AU); AHN DAVID SUNG HWAN) 27 February 1997 (1997-02-27) * page 13, line 1 - line 5; claims 1,7 *	1-9,11, 15,17, 19,20,22	
X	WO 02 28195 A (STEFANDL ROLAND F) 11 April 2002 (2002-04-11) * page 7, line 18 - line 27; claim 1 *	17,18, 21,22	C10G
X	EP 0 535 834 A (REYNOLDS TOBACCO CO R) 7 April 1993 (1993-04-07) * column 9, line 31 - line 40 *	17,18,21	
A	US 5 897 767 A (PATEL GIRISH) 27 April 1999 (1999-04-27) * column 2, line 59 - column 3, line 8; claims 1,12,13 *	23	
<p>The present search report has been drawn up for all claims</p>			
Place of search		Date of completion of the search	
THE HAGUE		9 December 2003	
Examiner			
Deurinck, P			
CATEGORY OF CITED DOCUMENTS			
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>			
<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p>			
<p>..... & : member of the same patent family, corresponding document</p>			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 03 01 5875

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-12-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6414027	B1	02-07-2002	US 6103765 A US 2002128314 A1 AU 742787 B2 AU 8473498 A EP 1005336 A1 JP 2001509480 T NO 20000085 A WO 9902147 A1 US 6410595 B1	15-08-2000 12-09-2002 10-01-2002 08-02-1999 07-06-2000 24-07-2001 01-03-2000 21-01-1999 25-06-2002
EP 0610502	A	17-08-1994	JP 3090353 B2 JP 5070367 A AU 662168 B2 CA 2118655 A1 DE 69226370 D1 DE 69226370 T2 EP 0610502 A1 KR 129865 B1 US 5407911 A AT 168562 T AU 2584392 A WO 9305805 A1	18-09-2000 23-03-1993 24-08-1995 01-04-1993 27-08-1998 22-04-1999 17-08-1994 09-04-1998 18-04-1995 15-08-1998 27-04-1993 01-04-1993
US 4579858	A	01-04-1986	CA 1217317 A1 CH 663154 A5 DE 3401763 A1 FI 840241 A ,B, FR 2539627 A1 GB 2133691 A ,B IL 70577 A IT 1178834 B JP 1820176 C JP 5032017 B JP 59135878 A SE 461698 B SE 8400045 A	03-02-1987 30-11-1987 26-07-1984 22-07-1984 27-07-1984 01-08-1984 31-12-1986 16-09-1987 27-01-1994 14-05-1993 04-08-1984 19-03-1990 22-07-1984
WO 9706812	A	27-02-1997	WO 9706812 A1 AU 3157595 A	27-02-1997 12-03-1997
WO 0228195	A	11-04-2002	AU 9484601 A WO 0228195 A2 US 2002136803 A1	15-04-2002 11-04-2002 26-09-2002
EP 0535834	A	07-04-1993	US 5501237 A AT 145794 T	26-03-1996 15-12-1996

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 03 01 5875

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-12-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0535834	A		DE 69215638 D1 DE 69215638 T2 DK 535834 T3 EP 0535834 A1 ES 2096728 T3 GR 3022600 T3 JP 3320462 B2 JP 5292935 A	16-01-1997 05-06-1997 26-05-1997 07-04-1993 16-03-1997 31-05-1997 03-09-2002 09-11-1993
US 5897767	A	27-04-1999	NONE	