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(54) Title: OIL SPILL DISPERSANTS AND DISPERSION METHODS

(57) Abstract: Disclosed herein is a method of dispersing oil located on the surface of a body of water, that includes providing solid particles that include a matrix component and an effective amount of a dispersant component; and contacting the solid particles with the oil on the body of water in an amount sufficient to disperse at least a portion of the oil. Also disclosed is a dispersant for treating oil spills, comprising a solid particle that includes a dispersant component and a solid matrix component.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/16043

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B01F 3/08**(2006.01);**C09K 3/32**(2006.01)

USPC: 252/363.5;210/634

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 252/363.5; 210/634

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,770,575 A (BALL) 06 November 1973, (06.11.1973), See entire reference.	1, 11-13, 16-19, 21-22, 32-33, 38-40, 44, 47, 50, 53, 59-60, 70-71, 76-78
X	US 5,919,434 A (DUGSTAD et al.) 06 July 1999 (06.07.1999), See abstract; column 2, lines 4 et seq.; column 10 et seq. more specifically line 14; examples; and claims.	1, 7-15, 32-33, 37, 44-49, 57, 70-71, & 75
X	US 3,676,357 A (CIUTI et al.) 11 July 1972 (11.07.1972), see abstract; column 3, lines 20-75; column 4, lines 1-44; examples and claims.	1, 4, 7-9, 11-14, 16-20, 32-33, 35, 37-40, 44-54, 57-58, 70-71, 73-79
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Y		2-3, 5-6, 23-31, 34, 36, 41-43, 55-56, 60-69, 72, 74

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6194473 A (LESSARD et al) 27 February 2001 (27.02.2001), see columns 2-4, lines 38 through 41.	2-3,5-6,34,36,41-43,55-56,72,74
Y	US 6,261,463 A (JACOB et al.) 17 July 2001 (17.07.2001), see column 1, line 22; column 2, lines 43-46; and examples.	2-3,5-6,34,36,41-43,55-56,72,74
Y	US 3,996,134 A (OSBORN et al.) 07 December 1976 (07.12.1976), see abstract; columns 1-2, lines 63 through 15; column 3; and examples.	23-31 and 60-69