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(54) Title: COMBINATION OF FLOCCULANT WITH SURFACTANT FOR WASTEWATER TREATMENT

(57) Abstract: A method and formulations for treatment of wastewater by combination of a flocculant and surfactant are described herein. The co-addition of the flocculant with an anionic, cationic or non-ionic surfactant produces improved separation of contaminants from wastewater to yield pure or highly pure water. An optimal ratio between the flocculant and the surfactant applied allows for reduction of the amount of flocculant required to treat the wastewater.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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

B. FIELDS SEARCHED

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C02F

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

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7 291 275 B1 (DAVIS ROBERT A [US] ET AL) 6 November 2007 (2007-11-06) column 1, line 20 - line 59 column 3, line 1 - column 5, line 67 example 1 claims 1-23	1-9,12, 13,15-18
X	US 3 756 959 A (VITALIS E ET AL) 4 September 1973 (1973-09-04) column 1, line 13 - line 36 column 3, line 44 - column 4, line 2 column 5, line 26 - column 6, line 55 column 7, line 5 - line 46 claim 1; example 1 ----- -/--	1-9,12, 13,15-18



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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.
X	US 4 071 447 A (RAMIREZ ERNEST R) 31 January 1978 (1978-01-31) column 1, line 5 - column 2, line 61 column 4, line 7 - line 26 column 5, line 10 - line 24 column 6, line 28 - line 44 claims 1,4,5; example 10 -----	1-9,12, 13,15-18
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Information on patent family members

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