

Title (en)
METHOD FOR TREATING WATER BY WEIGHTED FLOCCULATION USING A FLOCCULATION AGENT OF NATURAL ORIGIN

Title (de)
VERFAHREN ZUR BEHANDLUNG VON WASSER DURCH GEWICHTETE FLOCKUNG EINES FLOCKUNGSMITTELS NATÜRLICHEN URSPRUNGS

Title (fr)
PROCÉDÉ DE TRAITEMENT D'EAU PAR FLOCCULATION LESTÉE METTANT EN OEUVRE UN AGENT FLOCULANT D'ORIGINE NATURELLE

Publication
EP 2560744 A1 20130227 (FR)

Application
EP 11714584 A 20110418

Priority
• FR 1053012 A 20100420
• EP 2011056164 W 20110418

Abstract (en)
[origin: CA2796713A1] The invention relates to a method for treating water by weighted flocculation including a step of injection into said water of at least one flocculation agent, a step of injection into said water of at least one particulate material which is denser than water, and a step of recovery of a treated water, characterized in that said weighted flocculation is used under stirring using a mean speed gradient between 100 and 1400 s⁻¹ and in that said flocculation agent consists of at least one carbohydrate polymer of natural origin having an anionic charge density between -900 and -4000 µEq/g.

IPC 8 full level
B01D 61/14 (2006.01); **B01D 61/16** (2006.01); **C02F 1/28** (2006.01); **C02F 1/44** (2006.01); **C02F 1/52** (2006.01); **C02F 1/56** (2006.01)

CPC (source: EP US)
B01D 61/145 (2013.01 - EP US); **B01D 61/16** (2013.01 - EP US); **C02F 1/5263** (2013.01 - US); **C02F 1/56** (2013.01 - EP US); **B01D 2311/04** (2013.01 - EP US); **B01D 2311/16** (2013.01 - EP US); **C02F 1/283** (2013.01 - EP US); **C02F 1/444** (2013.01 - EP US); **C02F 1/5236** (2013.01 - EP US); **C02F 2305/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2011131632A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 2958927 A1 20111021; FR 2958927 B1 20120525; AR 080935 A1 20120516; AU 2011244352 A1 20121206; AU 2011244352 B2 20150129; CA 2796713 A1 20111027; CN 103108688 A 20130515; CN 103108688 B 20150415; EP 2560744 A1 20130227; JP 2013525096 A 20130620; JP 5770830 B2 20150826; NZ 603683 A 20140725; US 2013168318 A1 20130704; WO 2011131632 A1 20111027

DOCDB simple family (application)
FR 1053012 A 20100420; AR P110101366 A 20110420; AU 2011244352 A 20110418; CA 2796713 A 20110418; CN 201180030555 A 20110418; EP 11714584 A 20110418; EP 2011056164 W 20110418; JP 2013505438 A 20110418; NZ 60368311 A 20110418; US 201113641745 A 20110418