

Title (en)  
POTABILIZATION PROCESS

Title (de)  
TRINKBARMACHUNGSVERFAHREN

Title (fr)  
PROCÉDÉ DE POTABILISATION

Publication  
**EP 2920121 A1 20150923 (FR)**

Application  
**EP 13801678 A 20131118**

Priority  
• FR 1260911 A 20121116  
• FR 2013052762 W 20131118

Abstract (en)  
[origin: WO2014076435A1] The subject matter of the invention is a process for potabilization of an aqueous solution containing solids in suspension, comprising a coagulation-flocculation step, characterized in that said step comprises: a) a step of adding coagulants to the aqueous solution to be treated; b) a step of stirring the aqueous solution to which coagulants were thus added; c) a step of separating the coagulated solids by settling out or flotation; d) a step of recovering purified water; and in which the coagulants added in step a) comprise metal salts chosen from ferric salts and aluminium salts, and also a liquid starchy composition comprising a cationic waxy starch, said cationic starch having, when it is placed in the form of an aqueous composition, a viscosity, measured according to a test A, greater than 100 mPa.s and less than 1000 mPa.s, this test A consisting in adjusting the dry weight of cationic waxy starch of the aqueous composition to 10% and then measuring the Brookfield viscosity at 25°C of the resulting composition.

IPC 8 full level  
**C02F 1/52** (2006.01)

CPC (source: CN EP US)  
**C02F 1/5245** (2013.01 - CN EP US); **C02F 1/5272** (2013.01 - CN EP US); **C02F 1/54** (2013.01 - US); **C02F 2103/28** (2013.01 - US)

Citation (search report)  
See references of WO 2014076435A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2014076435 A1 20140522**; CN 104781196 A 20150715; EP 2920121 A1 20150923; FR 2998290 A1 20140523; FR 2998290 B1 20141219; JP 2016501121 A 20160118; JP 6326425 B2 20180516; US 2015307377 A1 20151029

DOCDB simple family (application)  
**FR 2013052762 W 20131118**; CN 201380059511 A 20131118; EP 13801678 A 20131118; FR 1260911 A 20121116; JP 2015542345 A 20131118; US 201314443106 A 20131118