

Title (en)

DEWATERING OF AQUEOUS SUSPENSIONS WITH ANIONIC AND CATIONIC POLYMERS

Title (de)

ENTWÄSSERUNG VON WÄSSRIGEN SUSPENSIONEN MIT ANIONISCHEN UND KATIONISCHEN POLYMERS

Title (fr)

DESHYDRATATION DE SUSPENSIONS AQUEUSES A L'AIDE DE POLYMERES ANIONIQUES ET CATIONIQUES

Publication

**EP 1070021 A1 20010124 (EN)**

Application

**EP 99913490 A 19990330**

Priority

- GB 9900990 W 19990330
- GB 9807046 A 19980401

Abstract (en)

[origin: WO9950188A1] A process for dewatering an aqueous suspension of solids which comprises adding to the suspension a flocculation aid, allowing the suspension to flocculate and dewatering the suspension, in which the flocculation aid is an aqueous composition comprising first and second water soluble ionic polymeric flocculants in which the first flocculant is in excess over the second flocculant and the first and second flocculants form particles of counterionic precipitate and substantially all of the proportion of the first flocculant which is not incorporated into the particles of counterionic precipitate is in solution, characterized in that the transfer and dosage conduits are constructed so that substantially none of the particles of counterionic precipitate are broken or dispersed after their formation and before their addition to the suspension.

IPC 1-7

**C02F 1/56**; **C02F 11/14**; **B01D 21/01**

IPC 8 full level

**B01D 21/01** (2006.01)

CPC (source: EP)

**B01D 21/01** (2013.01); **B01D 21/2405** (2013.01); **B01D 21/286** (2013.01)

Citation (search report)

See references of WO 9950188A1

Designated contracting state (EPC)

BE CH DE ES FR GB IE IT LI NL

DOCDB simple family (publication)

**WO 9950188 A1 19991007**; AU 3160399 A 19991018; AU 748307 B2 20020530; CA 2326355 A1 19991007; EP 1070021 A1 20010124; GB 9807046 D0 19980603; ZA 200005019 B 20011026

DOCDB simple family (application)

**GB 9900990 W 19990330**; AU 3160399 A 19990330; CA 2326355 A 19990330; EP 99913490 A 19990330; GB 9807046 A 19980401; ZA 200005019 A 20000920