

Title (en)

CLAY FILTRATION METHOD AND FILTERED CLAY OBTAINED BY SAID METHOD

Title (de)

TONFILTRIERVERFAHREN UND DURCH DIESES VERFAHREN ERHALTENER GEFILTERTER TON

Title (fr)

PROCÉDÉ DE FILTRATION D'ARGILE ET ARGILE FILTRÉE OBTENUE PAR LEDIT PROCÉDÉ

Publication

EP 4267528 A2 20231101 (EN)

Application

EP 21911739 A 20211220

Priority

- TR 202021764 A 20201225
- TR 2021051442 W 20211220

Abstract (en)

[origin: WO2022139760A2] The subject of the invention relates to a clay filtration method, which allows the use of a raw material with increased weight per liter by preserving the chemical properties of especially the fine-grained clays with high plasticity, enables filtration times for the same to be reduced, and relates to the filtered clay obtained by said method. The clay filtration method according to the invention basically comprises the process steps of dispersing the clay in water in the presence of at least one first agent that enables the clay grains to diverge by sliding over one another and filtering the clay in the presence of at least one second agent that enables the clay grains to converge to thereby easily release the water in their structure.

IPC 8 full level

C04B 33/00 (2006.01); **B28C 1/00** (2006.01)

CPC (source: EP)

B28C 1/006 (2013.01); **B28C 1/04** (2013.01); **B28C 1/08** (2013.01); **C04B 33/04** (2013.01); **C04B 33/1305** (2013.01); **C04B 33/32** (2013.01); **C04B 33/34** (2013.01); **C04B 35/63424** (2013.01); **C04B 35/63444** (2013.01); **C04B 2235/6027** (2013.01); **C04B 2235/9661** (2013.01)

Citation (search report)

See references of WO 2022139760A2

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022139760 A2 20220630; **WO 2022139760 A3 20230420**; EP 4267528 A2 20231101; TR 202021764 A2 20220721

DOCDB simple family (application)

TR 2021051442 W 20211220; EP 21911739 A 20211220; TR 202021764 A 20201225