

Title (en)
METHOD FOR TREATING A FLUID COMPRISING SALTS AND SYSTEM FOR IMPLEMENTING THE METHOD

Title (de)
VERFAHREN ZUR BEHANDLUNG EINES FLUIDS MIT SALZEN UND SYSTEM ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCÉDÉ DE TRAITEMENT D'UN FLUIDE COMPORTANT DES SELS ET INSTALLATION POUR METTRE EN OEUVRE LE PROCÉDÉ

Publication
EP 4370472 A1 20240522 (FR)

Application
EP 22748356 A 20220713

Priority

- EP 21305998 A 20210716
- EP 2022069573 W 20220713

Abstract (en)
[origin: CA3220980A1] The invention relates to a method for treating a fluid, which comprises: a step (S31) of introducing the fluid to be treated into an enclosure (225) of a dryer (220); and a step (S32) of drying the fluid in the enclosure (225), including a first phase (B) during which a weight of the enclosure decreases and, when the weight of the enclosure reaches a low threshold or when a rate of variation of the weight of the enclosure is less than a first predefined value, the drying step comprises a complementary step of refilling the enclosure until the weight of the enclosure reaches a high threshold, and a second phase (C) during which the weight of the enclosure decreases and, when the rate of variation of the weight is less than a second predefined value, the method comprises a step (S33) of extracting a solid residue in powder form. The invention also relates to a system for implementing the method.

IPC 8 full level
C02F 1/04 (2023.01); **B01D 1/00** (2006.01); **B01D 1/22** (2006.01); **B01D 1/24** (2006.01); **B01D 3/10** (2006.01); **B01D 5/00** (2006.01); **C02F 1/00** (2023.01); **C02F 1/06** (2023.01); **F28D 1/06** (2006.01); **F28F 5/04** (2006.01); **F28F 13/12** (2006.01); **C02F 101/16** (2006.01); **C02F 103/16** (2006.01)

CPC (source: EP KR)
B01D 1/0076 (2013.01 - EP KR); **B01D 1/225** (2013.01 - EP KR); **B01D 1/24** (2013.01 - EP KR); **B01D 3/10** (2013.01 - EP KR); **B01D 3/106** (2013.01 - EP); **B01D 5/006** (2013.01 - EP KR); **C02F 1/008** (2013.01 - EP KR); **C02F 1/043** (2013.01 - EP KR); **C02F 1/048** (2013.01 - EP KR); **C02F 11/13** (2019.01 - KR); **F28D 1/06** (2013.01 - EP KR); **F28F 5/04** (2013.01 - KR); **F28F 13/125** (2013.01 - EP KR); **C02F 11/13** (2019.01 - EP); **C02F 2101/16** (2013.01 - EP KR); **C02F 2103/16** (2013.01 - EP KR); **C02F 2301/063** (2013.01 - EP KR); **C02F 2301/08** (2013.01 - EP KR); **F28F 5/04** (2013.01 - EP)

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)
EP 4119505 A1 20230118; BR 112023026168 A2 20240305; CA 3220980 A1 20230119; CN 115812067 A 20230317; EP 4370472 A1 20240522; JP 2024525676 A 20240712; KR 20240037947 A 20240322; WO 2023285515 A1 20230119

DOCDB simple family (application)
EP 21305998 A 20210716; BR 112023026168 A 20220713; CA 3220980 A 20220713; CN 202280004549 A 20220713; EP 2022069573 W 20220713; EP 22748356 A 20220713; JP 2024501231 A 20220713; KR 20247001178 A 20220713