Title (en)
METHOD FOR THE IN SITU REGENERATION OF AN ADSORBENT MEDIUM

Title (de)
VERFAHREN ZUR IN SITU REGENERATION EINES ADSORPTIONSMITTELS

Title (fr)
PROCEDE DE REGENERATION D'UN MEDIA ADSORBANT SUR SITE

Publication
EP 4363104 A1 20240508 (FR)

Application
EP 22733688 A 20220701

Priority
- FR 2107197 A 20210702
- EP 2022068349 W 20220701

Abstract (en)
[origin: WO2023275396A1] The invention relates to a method for regenerating at least a portion of the adsorbent medium of at least one adsorption reactor implemented in a unit for treating a fluid, said regeneration method being carried out on the site of use of the adsorption reactor and comprising: - at least one step of removing at least a portion of the adsorbent medium from said at least one adsorption reactor, and - at least one chemical regeneration step comprising a step of bringing said portion of adsorbent medium into contact with a regeneration solution comprising water and sodium hydroxide. The invention also relates to a fluid-treatment method implementing the regeneration method, as well as to a fluid-treatment plant suitable for carrying out the fluid-treatment method according to the invention.

IPC 8 full level
B01J 20/34 (2006.01); **B01J 49/57** (2017.01); **B01J 49/85** (2017.01)

CPC (source: EP)
B01J 20/3416 (2013.01); **B01J 20/3475** (2013.01); **B01J 49/57** (2016.12); **B01J 49/85** (2016.12); C02F 1/283 (2013.01); C02F 2101/30 (2013.01); C02F 2101/305 (2013.01); C02F 2101/306 (2013.01); C02F 2303/16 (2013.01)

Citation (search report)
See references of WO 2023275396A1

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)
FR 3124742 A1 20230106; AU 2022301526 A1 20240125; CN 117940211 A 20240426; EP 4363104 A1 20240508; WO 2023275396 A1 20230105

DOCDB simple family (application)
FR 2107197 A 20210702; AU 2022301526 A 20220701; CN 202280059956 A 20220701; EP 2022068349 W 20220701; EP 22733688 A 20220701