

Title (en)

METHOD AND DEVICE FOR IMPROVING SLUDGE BIODEGRADABILITY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERBESSERUNG DER BIOLOGISCHEN ABBAUBARKEIT VON SCHLAMM

Title (fr)

PROCEDE ET DISPOSITIF D'AMELIORATION DE LA BIODEGRADABILITE D'UNE BOUE

Publication

EP 3902773 A1 20211103 (FR)

Application

EP 19829228 A 20191224

Priority

- FR 1874159 A 20181226
- EP 2019087032 W 20191224

Abstract (en)

[origin: WO2020136212A1] The invention relates to a method and a device for improving the biodegradability of an organic sludge. It comprises at least two treatment cycles each of a total duration of between around 8 s and around 20 s and each comprising a first step of producing a first hydrolysed sludge emulsion in a first, reduced zone, by injecting a gas into said reduced zone, a second step of abruptly expanding the emulsion in a second zone - the expansion zone - and a third step of recovering the emulsion via a third, restriction zone.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2020136212A1

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EP 2019087032 W 20191224; AU 2019414856 A 20191224; BR 112021009605 A 20191224; CA 3120168 A 20191224; CN 201980085565 A 20191224; EP 19829228 A 20191224; FR 1874159 A 20181226; IL 28425221 A 20210621; JP 2021537820 A 20191224; KR 20217019604 A 20191224; US 201917418196 A 20191224