

Title (en)
SYSTEM FOR TREATING BIO-CONTAMINATED WASTEWATER AND PROCESS FOR DECONTAMINATING A WASTEWATER SOURCE

Title (de)
SYSTEM ZUR BEHANDLUNG VON BIOKONTAMINIERTEM ABWASSER UND VERFAHREN ZUR DEKONTAMINIERUNG EINER ABWASSERQUELLE

Title (fr)
SYSTÈME DE TRAITEMENT D'EAUX USÉES BIO-CONTAMINÉES ET PROCESSUS DE DÉCONTAMINATION D'UNE SOURCE D'EAUX USÉES

Publication
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Application
EP 21837879 A 20210707

Priority

- US 202016922189 A 20200707
- US 202017069221 A 20201013
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Abstract (en)
[origin: WO2022011016A1] A system and process for decontaminating a bio-contaminated wastewater fluid as from a slaughterhouse or similar facility. The system and process recovers purified vapor/steam through a decontamination unit having a plurality of alternating rotating trays and fixed baffles in a processing vessel producing separate purified and contaminant streams. One or more filter/strainer units are disposed in parallel before the decontamination unit, and may be used alternately while the other is cleaned. A rotating shaft connected to the rotating trays may also be connected to an electrical generator to provide electricity for circuits and controls in the system.

IPC 8 full level
C02F 9/00 (2023.01); **B01D 1/00** (2006.01); **B01D 1/22** (2006.01); **B01D 3/08** (2006.01); **C02F 1/00** (2023.01); **C02F 1/04** (2023.01); **C02F 3/30** (2023.01); **C02F 1/40** (2023.01); **C02F 103/08** (2006.01); **C02F 103/22** (2006.01)

CPC (source: EP IL KR)
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Citation (search report)

- [A] US 2020071215 A1 20200305 - GASPARD BRANDON [US], et al
- [XII] WO 2017074476 A1 20170504 - VERNO HOLDINGS LLC [US]
- [A] WO 2017207527 A1 20171207 - SYNDIAL S P A [IT]
- See references of WO 2022011016A1

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WO 2022011016 A1 20220113; AU 2021305618 A1 20230216; AU 2021306976 A1 20230216; BR 112023000285 A2 20230411; BR 112023000318 A2 20230131; CA 3185117 A1 20220113; CA 3185132 A1 20220113; CL 2023000054 A1 20230707; CL 2023000055 A1 20230707; CN 116075345 A 20230505; CN 116171265 A 20230526; CO 2023001095 A2 20230508; CO 2023001096 A2 20230508; EP 4164989 A1 20230419; EP 4164989 A4 20230809; EP 4168145 A1 20230426; EP 4168145 A4 20240320; IL 299727 A 20230301; IL 299729 A 20230301; KR 20230035364 A 20230313; KR 20230035616 A 20230314; MX 2023000400 A 20230202; MX 2023000402 A 20230202; WO 2022010629 A1 20220113

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