

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 BIOCONTAMINÉES ET PROCESSUS DE DÉCONTAMINATION D'UNE SOURCE D'EAUX USÉES

Publication  
**EP 4367065 A1 20240515 (EN)**

Application  
**EP 22838275 A 20220701**

Priority  
• US 202117369097 A 20210707  
• US 2022035948 W 20220701

Abstract (en)  
[origin: WO2023283127A1] 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 1/04** (2023.01); **B01D 1/22** (2006.01); **B01D 1/24** (2006.01)

CPC (source: EP KR)  
**B01D 1/0011** (2013.01 - EP); **B01D 1/0082** (2013.01 - EP KR); **B01D 3/08** (2013.01 - EP); **B01D 3/085** (2013.01 - KR); **B01D 3/10** (2013.01 - EP); **B01D 5/006** (2013.01 - EP); **B01D 25/28** (2013.01 - KR); **B01D 25/30** (2013.01 - KR); **B01D 33/23** (2013.01 - KR); **C02F 1/004** (2013.01 - KR); **C02F 1/04** (2013.01 - EP KR); **C02F 2103/22** (2013.01 - KR); **C02F 2201/005** (2013.01 - KR); **C02F 2209/02** (2013.01 - KR); **C02F 2209/03** (2013.01 - KR); **C02F 2209/40** (2013.01 - KR); **C02F 2303/04** (2013.01 - EP KR); **C02F 2303/24** (2013.01 - KR); **Y02A 20/124** (2018.01 - EP)

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Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2023283127 A1 20230112**; AU 2022309211 A1 20240125; CA 3223700 A1 20230112; CN 117980272 A 20240503; CO 2024001281 A2 20240530; EP 4367065 A1 20240515; KR 20240032936 A 20240312; MX 2024000374 A 20240126

DOCDB simple family (application)  
**US 2022035948 W 20220701**; AU 2022309211 A 20220701; CA 3223700 A 20220701; CN 202280060560 A 20220701; CO 2024001281 A 20240206; EP 22838275 A 20220701; KR 20247004192 A 20220701; MX 2024000374 A 20220701