

Title (en)

INFLAMMABLE WASTE COMBUSTION AND DISPOSAL DEVICE

Title (de)

VORRICHTUNG ZUR VERBRENNUNG UND ENTSORGUNG VON BRENNBAREM ABFALL

Title (fr)

DISPOSITIF DE COMBUSTION ET D'ÉLIMINATION DE DÉCHETS INFLAMMABLES

Publication

**EP 3693662 A4 20201125 (EN)**

Application

**EP 18925057 A 20181221**

Priority

- CN 201811521947 A 20181213
- CN 2018122629 W 20181221

Abstract (en)

[origin: EP3693662A1] The invention provides a combustible waste combustion treatment device, and belongs to the technical field of environmental protection equipment. According to the technical scheme adopted by the invention, a combustible waste combustion treatment device comprises a pressure container provided with a filling port and a matched oxygen supply system, wherein a combustion system, a combusted substance absorption tank and an absorption liquid supply system are provided in a cavity of the pressure container; a discharge port is provided at the bottom of the combusted substance absorption tank, and a circulating water cooling system is further provided outside the cavity of the pressure container. The combustible waste combustion treatment device has the beneficial effects that combustible wastes such as waste phosphorus, phosphorus-containing wastes and the like can be efficiently and quickly treated, zero waste gas discharge treatment is realized, and the treatment speed is controllable; the operation is in operation and easy to control, the substances to be treated and the alkaline solution can be added on line and the products are discharged on line, realizing a continuous operation; the device has the advantages of small occupied area, simple structure, easiness in operation and control; and it realizes automatic control in a further improved scheme, and has low cost and a high industrial application value.

IPC 8 full level

**F23G 5/50** (2006.01); **F23G 7/00** (2006.01)

CPC (source: CN EP)

**F23G 5/50** (2013.01 - CN); **F23G 7/00** (2013.01 - EP); **F23G 2202/30** (2013.01 - EP)

Citation (search report)

- [A] US 5606925 A 19970304 - BOEN ROGER [FR], et al
- [A] DE 4328203 A1 19950316 - BOHN JONATHAN [DE]
- [A] US 3707128 A 19721226 - LANG JERRY M
- See references of WO 2020118756A1

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

DOCDB simple family (publication)

**EP 3693662 A1 20200812**; **EP 3693662 A4 20201125**; **EP 3693662 B1 20210804**; CN 109373333 A 20190222; WO 2020118756 A1 20200618

DOCDB simple family (application)

**EP 18925057 A 20181221**; CN 201811521947 A 20181213; CN 2018122629 W 20181221