

Title (en)

DRY DISTILLATION AND GASIFICATION INCINERATION PROCESSING DEVICE

Title (de)

TROCKENDESTILLATIONS- UND VERGASUNGSVERBRENNUNGSANLAGE

Title (fr)

DISPOSITIF DE TRAITEMENT D'INCINÉRATION PAR DISTILLATION À SEC ET GAZÉIFICATION

Publication

**EP 3951265 A4 20221123 (EN)**

Application

**EP 19927827 A 20190508**

Priority

JP 2019018414 W 20190508

Abstract (en)

[origin: EP3951265A1] Provided is a dry distillation gasification incinerator enabling simple and reliable individual designing according to the shape and size of the site for installation, while including necessary facilities. A dry distillation gasification incinerator includes: a dry distillation furnace unit 1 having one or more dry distillation furnaces 10 that are aligned horizontally adjacent to each other; a combustion furnace unit 2 including a combustion furnace 20 connected to the one or more dry distillation furnaces 10 via a burner reactor 21, the combustion furnace 20 having a cooled reactor 22 integral therewith, and a rapid cooling tower 23 connected to the cooled reactor 22, the combustion furnace 20 and the rapid cooling tower 23 being aligned horizontally adjacent to each other; and a flue-gas treatment unit 3 including a bag filter 30 connected to the rapid cooling tower 23, and a chimney 31 connected to the bag filter 30, the bag filter 30 and the chimney 31 being placed in a straight line or bent via an inducing fan. The dry distillation furnace unit 1 and the combustion furnace unit 2 are disposed adjacent to each other, and the combustion furnace unit 2 and the flue-gas treatment unit 3 are disposed adjacent to each other.

IPC 8 full level

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CPC (source: EP)

**F23G 5/0276** (2013.01); **F23G 7/06** (2013.01); **F23G 7/12** (2013.01); **F23J 15/025** (2013.01); **F23J 15/06** (2013.01); **F23G 2201/303** (2013.01); **F23G 2209/281** (2013.01)

Citation (search report)

- [I] US 2019032917 A1 20190131 - KANEKO MASAMOTO [JP]
- [A] US 2004103831 A1 20040603 - POPE MICHAEL G [US]
- [A] JP H09170732 A 19970630 - YOSHINAKA SATORU
- See references of WO 2020225874A1

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

DOCDB simple family (publication)

**EP 3951265 A1 20220209**; **EP 3951265 A4 20221123**; JP 6899170 B2 20210707; JP WO2020225874 A1 20210520; WO 2020225874 A1 20201112

DOCDB simple family (application)

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