

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
F23J 15/00 (2006.01); **F23G 5/027** (2006.01)

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

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