

Title (en)

DEVICE AND METHOD FOR SAFELY REMOVING BLOCKING MATERIALS IN AN INCINERATOR ASH QUENCH DRAIN PIPE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SICHEREN ENTFERNEN VON SPERRSTOFFEN IN EINEM ASCHE-QUENCHABFLUSSROHR EINER VERBRENNUNGSANLAGE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR ÉLIMINER EN TOUTE SÉCURITÉ DES MATÉRIAUX DE BLOCAGE DANS UN TUYAU D'ÉVACUATION DE CENDRES D'UN INCINÉRATEUR

Publication

**EP 3734157 A1 20201104 (EN)**

Application

**EP 19305545 A 20190429**

Priority

EP 19305545 A 20190429

Abstract (en)

A device 10 for removing a blocking material in a quenched ash extractor drain pipe 2 of an incineration system is provided. The device 10 comprises: a pipe 11; a connecting part 12 configured to connect the pipe 11 to a gate valve 30 of the quenched ash extractor drain pipe 2; and a ram 13 with a first end 16 configured to break the blocking material and to be slidably guided through the pipe 11 into the quenched ash extractor drain pipe 2. Hence the device 10 provides an improved solution to remove more safely and effectively the hot water from a quenched ash extractor 222 then therefore the blockage of incinerator bottom ashes in the quenched ash extractor 222 of the incineration system.

IPC 8 full level

**F23J 1/02** (2006.01)

CPC (source: EP)

**F23J 1/02** (2013.01); **F23J 2700/003** (2013.01); **F23J 2900/01003** (2013.01); **F23J 2900/13004** (2013.01)

Citation (applicant)

WO 0229322 A2 20020411 - E E R ENV ENERGY RESRC ISRAEL [IL], et al

Citation (search report)

- [X] US 5647287 A 19970715 - KUENNEN LARRY E [US], et al
- [X] JP S59158851 U 19841024
- [A] US 4479808 A 19841030 - CAMPBELL HUGH L [US]

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 3734157 A1 20201104**; **EP 3734157 B1 20211027**; WO 2020221720 A1 20201105

DOCDB simple family (application)

**EP 19305545 A 20190429**; EP 2020061702 W 20200428