

Title (en)
CREMATORIUM INCINERATOR

Title (de)
KREMATORIUMSOFFEN

Title (fr)
FOUR CRÉMATOIRE

Publication
EP 2564120 B1 20140115 (DE)

Application
EP 11761269 A 20110622

Priority
• DE 102010017578 A 20100625
• DE 2011075147 W 20110622

Abstract (en)
[origin: WO2012022327A1] The invention relates to a crematorium incinerator (1) comprising at least one combustion chamber (2) with a ceiling, a wall (2.1) and a base (3) on which the object to be cremated is placed, a heat-delivery device (4), a combustion air supply (5) and an exhaust gas outlet (6). At least one combustion air-supply duct (7) and at least one exhaust gas-return duct (8) are provided inside the ceiling and/or wall (2.1) and/or base (3) of the combustion chamber (2), the exhaust gas-return duct (8) in the ceiling and/or wall (2.1) and/or base (3) having an inlet (8.1) and an outlet (8.2). The at least one combustion air-supply duct (7) opens out into the at least one exhaust gas-return duct (8) in the ceiling and/or wall (2.1) and/or base (3) of the combustion chamber (2) such that the combustion air supplied generates a suction effect in the combustion air supply into the combustion chamber (2). As a result thereof at least some of the exhaust gas produced during the combustion process is drawn into the inlet (8.1) of the exhaust gas-return duct (8) and discharged through the outlet (8.2) of the exhaust gas-return duct (8) into the combustion chamber (2) and is thus fed into the combustion process again.

IPC 8 full level
F23G 1/00 (2006.01); **F23C 9/08** (2006.01)

CPC (source: EP US)
F23C 9/08 (2013.01 - EP US); **F23G 1/00** (2013.01 - EP US); **F23C 2202/30** (2013.01 - EP US); **F23C 2900/09002** (2013.01 - EP US); **F23G 2900/00001** (2013.01 - EP 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

DOCDB simple family (publication)
DE 102010017578 B3 20120105; CN 102959332 A 20130306; CN 102959332 B 20150325; EP 2564120 A1 20130306; EP 2564120 B1 20140115; PL 2564120 T3 20140829; US 2013206045 A1 20130815; WO 2012022327 A1 20120223

DOCDB simple family (application)
DE 102010017578 A 20100625; CN 201180031166 A 20110622; DE 2011075147 W 20110622; EP 11761269 A 20110622; PL 11761269 T 20110622; US 201113806618 A 20110622