

Title (en)

GAS COMBUSTION ARRANGEMENT USING CIRCULAR STREAM

Title (de)

EINEN KREISSTROM VERWENDENDE GASVERBRENNUNGSANORDNUNG

Title (fr)

SYTEME A COMBUSTION GAZEUSE UTILISANT UN FLUX CIRCULAIRE

Publication

**EP 1899645 A1 20080319 (EN)**

Application

**EP 06769144 A 20060630**

Priority

- KR 2006002587 W 20060630
- KR 20050060046 A 20050705
- KR 20060058315 A 20060627

Abstract (en)

[origin: WO2007004835A1] Disclosed is a gas combustion arrangement using a circular stream, which is capable of fully burning gas discharged from waste incinerated (by flame -broiling, high-temperature, thermal decomposition, etc.) in an incinerator provided at a front stage of the gas combustion arrangement by passing the discharged gas through a coil-shaped circular combustion pipe heated at a predetermined temperature. The present invention provides a gas combustion arrangement using a circular stream, which is capable of maximizing a combustion efficiency by prolonging stay of discharged gas, which is introduced through a coil-shaped combustion pipe, inside the gas combustion arrangement as the discharged gas is burned, forming a circular stream, inside and outside the coil-shaped combustion pipe, and burning the discharged gas through direct contact with internal and external surfaces of the combustion pipe with high temperature.

IPC 8 full level

**F23G 7/06** (2006.01)

CPC (source: EP)

**F23G 7/063** (2013.01)

Citation (search report)

See references of WO 2007004835A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007004835 A1 20070111**; EP 1899645 A1 20080319

DOCDB simple family (application)

**KR 2006002587 W 20060630**; EP 06769144 A 20060630