

Title (en)

METHOD FOR SUDDENLY COOLING HIGH-TEMPERATURE GAS

Title (de)

VERFAHREN ZUR SCHOCKKÜHLUNG VON HOCHTEMPERATURGASEN

Title (fr)

PROCEDE DE REFROIDISSEMENT ULTRARAPIDE DE GAZ HAUTE TEMPERATURE

Publication

EP 1613912 B1 20090429 (DE)

Application

EP 04714282 A 20040225

Priority

- EP 2004001879 W 20040225
- DE 10316874 A 20030411

Abstract (en)

[origin: WO2004090447A1] The invention relates to a quench device for suddenly cooling a hot gas stream with the aid of quench water. The inventive quench device comprises a gas supply line and a gas drainage pipe. Said quench water is at least partially cooled by means of a heat exchanger. In addition, said quench device is provided with a cooling water circuit for cooling the first area of the gas stream and with a second separate cooling circuit which cools a second area of the gas stream and is arranged downstream.

IPC 8 full level

F28C 3/06 (2006.01); **C10K 1/06** (2006.01)

CPC (source: EP KR)

C10K 1/06 (2013.01 - EP); **F28C 3/00** (2013.01 - KR); **F28C 3/06** (2013.01 - EP KR); **F28C 3/08** (2013.01 - KR); **F28D 2021/0075** (2013.01 - EP)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2004090447 A1 20041021; AT E430295 T1 20090515; CN 1768243 A 20060503; DE 10316874 A1 20041104; DE 10316874 B4 20080403; DE 502004009424 D1 20090610; DK 1613912 T3 20090622; EP 1613912 A1 20060111; EP 1613912 B1 20090429; ES 2323640 T3 20090722; JP 2006522911 A 20061005; KR 20060004662 A 20060112; PT 1613912 E 20090609; SI 1613912 T1 20091031

DOCDB simple family (application)

EP 2004001879 W 20040225; AT 04714282 T 20040225; CN 200480009193 A 20040225; DE 10316874 A 20030411; DE 502004009424 T 20040225; DK 04714282 T 20040225; EP 04714282 A 20040225; ES 04714282 T 20040225; JP 2006504470 A 20040225; KR 20057018666 A 20050930; PT 04714282 T 20040225; SI 200431190 T 20040225