

Title (en)

A DEVICE FOR TREATMENT OF A GAS FLOW

Title (de)

VORRICHTUNG ZUR BEHANDLUNG EINES GASSTROMS

Title (fr)

DISPOSITIF DE TRAITEMENT D'UN ECOULEMENT GAZEUX

Publication

EP 1485589 B1 20090513 (EN)

Application

EP 03703632 A 20030211

Priority

- SE 0300222 W 20030211
- SE 0200452 A 20020215

Abstract (en)

[origin: WO03069138A1] The invention concerns a device for treatment of a gas flow, comprising at least one body 3, at least one first opening 4, 4' for entrance of an incoming gas flow to said body 3 and at least one second opening 5, 5' for the exit of an outgoing gas flow from said body 3, wherein said body 3 is provided with a plurality of gas flow passages 11a, 11b arranged to permit heat exchange between the gas flows in adjacent passages. The invention is characterized in that the device comprises at least one distribution section 26, 26' in communication with the first opening 4, 4' and with the gas flow passages 11a, 11b to distribute the incoming gas flow to the gas flow passages 11a, 11b, and at least one gas flow passage section 27, 27' including said gas flow passages 11a, 11b, which passage section 27, 27' primarily is adapted to permit heat exchange and to cause a conversion in the composition of the gas.

IPC 8 full level

F01N 3/02 (2006.01); **F01N 3/28** (2006.01); **B01D 53/86** (2006.01); **B01J 35/02** (2006.01); **B01J 35/04** (2006.01); **F01N 3/022** (2006.01); **F01N 3/035** (2006.01); **F01N 3/037** (2006.01); **F01N 3/20** (2006.01); **F01N 3/24** (2006.01); **F01N 3/36** (2006.01); **F01N 3/08** (2006.01)

CPC (source: EP)

F01N 3/0217 (2013.01); **F01N 3/022** (2013.01); **F01N 3/035** (2013.01); **F01N 3/037** (2013.01); **F01N 3/0842** (2013.01); **F01N 3/2807** (2013.01); **F01N 3/281** (2013.01); **F01N 3/2828** (2013.01); **F01N 3/2889** (2013.01); **F01N 3/206** (2013.01)

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 SE SI SK TR

DOCDB simple family (publication)

WO 03069138 A1 20030821; AT E431492 T1 20090515; AU 2003206339 A1 20030904; DE 60327609 D1 20090625; EP 1485589 A1 20041215; EP 1485589 B1 20090513; JP 2005517853 A 20050616; JP 4499424 B2 20100707; SE 0200452 D0 20020215; SE 0200452 L 20031013; SE 524226 C2 20040713

DOCDB simple family (application)

SE 0300222 W 20030211; AT 03703632 T 20030211; AU 2003206339 A 20030211; DE 60327609 T 20030211; EP 03703632 A 20030211; JP 2003568232 A 20030211; SE 0200452 A 20020215