

Title (en)
Device for heating gas under high pressure

Title (de)
Vorrichtung zur Hochdruckgaserhitzung

Title (fr)
Appareil pour chauffer du gaz sous haute pression

Publication
EP 1785679 A1 20070516 (DE)

Application
EP 06000207 A 20060105

Priority
DE 102005053731 A 20051110

Abstract (en)
The device comprises pressure vessel (1) from which gas flows and has heating element (3) and insulation (2). The insulation is arranged in the inner wall of pressure vessel. The insulation is available by means of heat dissipation of pressure vessel, so that the pressure vessel has lower temperature than the heated gas. An independent claim is included for coating device.

IPC 8 full level
F24H 3/04 (2006.01); **F24H 9/00** (2006.01); **F24H 9/02** (2006.01)

CPC (source: EP US)
B05B 7/1613 (2013.01 - EP US); **C23C 24/04** (2013.01 - EP US); **F24H 3/0405** (2013.01 - EP US); **F24H 9/0063** (2013.01 - EP US); **F24H 9/02** (2013.01 - EP US); **B05B 7/1486** (2013.01 - EP US)

Citation (applicant)
DE 19756594 A1 19990624 - LINDE AG [DE]

Citation (search report)
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• [A] EP 0099825 A1 19840201 - FIVES CAIL BABCOCK [FR]
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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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1785679 A1 20070516; DE 102005053731 A1 20070524; EP 1946012 A1 20080723; JP 2009515132 A 20090409; JP 5039049 B2 20121003; US 2009226156 A1 20090910; US 8249439 B2 20120821; WO 2007054313 A1 20070518

DOCDB simple family (application)
EP 06000207 A 20060105; DE 102005053731 A 20051110; EP 06828986 A 20061109; EP 2006010759 W 20061109; JP 2008539342 A 20061109; US 9194206 A 20061109