

Title (en)
DEVICE FOR PROTECTING METALLIC SURFACES FROM CONDENSATES OF HIGH-TEMPERATURE CORROSIVE MEDIA IN TECHNICAL INSTALLATIONS

Title (de)
VORRICHTUNG ZUM SCHUTZ METALLISCHER FLÄCHEN VOR KONDENSATEN KORROSIVER MEDIEN HOHER TEMPERATUR IN TECHNISCHEN ANLAGEN

Title (fr)
DISPOSITIF POUR PROTEGER DES SURFACES METALLIQUES DE CONDENSATS DE MILIEUX CORROSIFS A HAUTE TEMPERATURE DANS DES INSTALLATIONS TECHNIQUES

Publication
EP 1781828 A2 20070509 (DE)

Application
EP 05769577 A 20050726

Priority
• DE 2005001311 W 20050726
• DE 102004040625 A 20040821

Abstract (en)
[origin: WO2006021176A2] The supporting structure of a technical installation made of a material that is not resistant to corrosion and whose inner wall at least temporarily contains a corrosive and abrasive gas/vapor mixture and is protected from acid corrosion by a gas/vapor mixture barrier. This barrier is either placed between a fire-resistant coating (6) and the highly heat insulating layer (7) or is integrated in the fire-resistant layer (6) or in the heat insulating layer (7). The mechanical protection from the permeation of the gas/vapor mixture through the heat insulating insulation (7) up to the inner wall of the supporting structure enables a heat insulating material to be selected that has a distinctly reduced thermal conductivity and thus enables the temperature on the exterior of the supporting structure to be lowered whereby reducing the loss of energy and the increasing the level of industrial safety.

IPC 8 full level
C21B 9/06 (2006.01); **F27D 1/00** (2006.01)

CPC (source: EP US)
C21B 9/06 (2013.01 - EP US); **F27D 1/0006** (2013.01 - EP US)

Citation (search report)
See references of WO 2006021176A2

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)
WO 2006021176 A2 20060302; WO 2006021176 A3 20061019; AT E492656 T1 20110115; BR PI0514506 A 20080610; CA 2577541 A1 20060302; CN 101044254 A 20070926; CN 101044254 B 20110309; DE 102004040625 B3 20060420; DE 502005010721 D1 20110203; EA 010510 B1 20081030; EA 200700396 A1 20071026; EP 1781828 A2 20070509; EP 1781828 B1 20101222; JP 2008510882 A 20080410; MX 2007002088 A 20071008; US 2009042156 A1 20090212

DOCDB simple family (application)
DE 2005001311 W 20050726; AT 05769577 T 20050726; BR PI0514506 A 20050726; CA 2577541 A 20050726; CN 200580036073 A 20050726; DE 102004040625 A 20040821; DE 502005010721 T 20050726; EA 200700396 A 20050726; EP 05769577 A 20050726; JP 2007526193 A 20050726; MX 2007002088 A 20050726; US 66050305 A 20050726