

Title (en)
BURNER HOLDING DEVICE COMPRISING A COOLING SYSTEM FOR A BURNER ARRANGEMENT IN AN ENTRAINED BED GASIFIER

Title (de)
BRENNERHALTEVORRICHTUNG MIT KÜHLSYSTEM FÜR EINE BRENNERANORDNUNG IN EINEM FLUGSTROMVERGASER

Title (fr)
DISPOSITIF SUPPORT DE BRÛLEURS COMPORTANT UN SYSTÈME DE REFROIDISSEMENT POUR UN DISPOSITIF DE BRÛLEURS DANS UN RÉACTEUR DE GAZÉIFICATION À LIT ENTRAÎNÉ

Publication
EP 2288674 A2 20110302 (DE)

Application
EP 09734070 A 20090421

Priority
• EP 2009002883 W 20090421
• DE 102008020204 A 20080422

Abstract (en)
[origin: CA2722019A1] The invention relates to a device comprising a burner holding device for burners that are arranged on an entrained bed gasification reactor. The burners (4,5) are maintained in the burner holding device (7) and extend through a flange (11) that secures the burner holding device (7) to the entrained bed gasification reactor (8), and through the burner holding device (7) in the entrained bed gasification reactor (8). Said cooling device comprises at least two cooling circuits (1,2) that are independent of each other, one cooling circuit (1, 2) being at least partially associated with each burner (4, 5) in such a manner that each burner (4,5) is surrounded by one section of the cooling device on one end that faces the front surface, and at least one cooling circuit (1, 2) is at least partially associated with the front surface for cooling. The burners (4, 5) are also surrounded, below the flange (11), within the burner maintaining device (7), from top to bottom, by a layer (19) made of an insulating casting compound that is fireproof upto at least 800 °C and has a thermal conductivity in the region of between 0.02 - 0.8 W/m K, a layer made of bulk material (17) that is fireproof upto at least 800 °C and a layer (18) made of a thermally conductive casting compound that is fireproof upto at least 1800 °C and has a heat conductivity of 3-15 W/m K.

IPC 8 full level
C10J 3/50 (2006.01); **C10J 3/76** (2006.01)

CPC (source: EP US)
C10J 3/485 (2013.01 - EP US); **C10J 3/506** (2013.01 - EP US); **C10J 3/76** (2013.01 - EP US); **F23D 14/78** (2013.01 - EP US); **C10J 2200/152** (2013.01 - EP US); **Y02E 20/18** (2013.01 - EP)

Citation (search report)
See references of WO 2009129990A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102008020204 A1 20091029; **DE 102008020204 B4 20111201**; AU 2009240279 A1 20091029; BR PI0910486 A2 20171010; CA 2722019 A1 20091029; CN 102015971 A 20110413; EP 2288674 A2 20110302; JP 2011519987 A 20110714; JP 5314127 B2 20131016; KR 20100139046 A 20101231; RU 2010146291 A 20120527; RU 2499815 C2 20131127; US 2011116987 A1 20110519; WO 2009129990 A2 20091029; WO 2009129990 A3 20100401

DOCDB simple family (application)
DE 102008020204 A 20080422; AU 2009240279 A 20090421; BR PI0910486 A 20090421; CA 2722019 A 20090421; CN 200980114349 A 20090421; EP 09734070 A 20090421; EP 2009002883 W 20090421; JP 2011505417 A 20090421; KR 20107023414 A 20090421; RU 2010146291 A 20090421; US 98886609 A 20090421