

Title (en)

Mould with bevelled end faces in inner walls

Title (de)

Gussform mit angeschrägten Stirnseiten bei inneren Wänden

Title (fr)

Moule doté de faces frontales inclinées au niveau des parois intérieures

Publication

**EP 2735387 A1 20140528 (DE)**

Application

**EP 12193768 A 20121122**

Priority

EP 12193768 A 20121122

Abstract (en)

Casting mold (1) for producing a hollow component with openings (43) and inner walls, comprises at least one inner wall element (31) with openings. A liquid metal penetrates into the openings. At least an inner wall element exhibits a front surface (40) in the region of the opening. The front surface is bevelled and extends in an angle different from 90[deg] to a propagation direction of the liquid metal or from side surfaces (50) of the inner wall element in the casting mold.

Abstract (de)

Durch die gezielte Veränderung der Stirnseiten innerer Wandelemente wird die Ausbreitungsfront von flüssigem Material in der Gussform beeinflusst und Einflüsse oder die Bildung von Oxidschichten in weniger kritische Bereiche des herzustellenden Gussportals verschoben.

IPC 8 full level

**B22C 9/00** (2006.01); **B22C 9/04** (2006.01); **B22D 17/22** (2006.01)

CPC (source: EP US)

**B22C 9/00** (2013.01 - EP US); **B22C 9/04** (2013.01 - EP US); **B22C 9/22** (2013.01 - US); **B22D 17/22** (2013.01 - EP US)

Citation (search report)

[A] WO 2011153182 A1 20111208 - SIEMENS ENERGY INC [US], et al

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2735387 A1 20140528**; CN 104812510 A 20150729; EP 2890508 A1 20150708; IN 3290DEN2015 A 20151009; JP 2015535487 A 20151214; RU 2015124077 A 20170110; US 2015283604 A1 20151008; WO 2014079651 A1 20140530

DOCDB simple family (application)

**EP 12193768 A 20121122**; CN 201380061123 A 20131025; EP 13786645 A 20131025; EP 2013072382 W 20131025; IN 3290DEN2015 A 20150418; JP 2015543364 A 20131025; RU 2015124077 A 20131025; US 201314443105 A 20131025