

Title (en)
VENTILATION UNIT FOR A DIE CASTING DEVICE

Title (de)
ENTLÜFTUNGSEINRICHTUNG FÜR EINE DRUCKGIESSVORRICHTUNG

Title (fr)
ÉVENT POUR UN DISPOSITIF DE MOULAGE SOUS PRESSION

Publication
EP 2209575 A1 20100728 (DE)

Application
EP 08785131 A 20080726

Priority
• EP 2008006180 W 20080726
• DE 102007054520 A 20071106

Abstract (en)
[origin: WO2009059650A1] The invention relates to a ventilation unit for a die casting device, comprising a mold cavity that can be filled with liquid casting material and a gas suction device for suctioning the mold cavity, said suction device being connected to the mold cavity, wherein the ventilation unit comprises a flow labyrinth, the input of which can be connected to the mold cavity and the output of which can be connected to the gas suction device. In order to refine the ventilation unit such that it enables improved evacuation of the mold cavity, without the risk of liquid casting material exiting the ventilation device, according to the invention it is proposed that the flow cross-section of the flow labyrinth be variable. In addition, a die casting device comprising such a ventilation unit is proposed.

IPC 8 full level
B22D 17/14 (2006.01); **B22C 9/06** (2006.01); **B29C 45/34** (2006.01)

CPC (source: EP US)
B22C 9/067 (2013.01 - EP US); **B22D 17/145** (2013.01 - EP US)

Citation (search report)
See references of WO 2009059650A1

Cited by
CN111069560A

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007054520 A1 20090514; **DE 102007054520 B4 20130117**; CN 101883650 A 20101110; EP 2209575 A1 20100728; JP 2011502051 A 20110120; US 2010276107 A1 20101104; WO 2009059650 A1 20090514

DOCDB simple family (application)
DE 102007054520 A 20071106; CN 200880113875 A 20080726; EP 08785131 A 20080726; EP 2008006180 W 20080726; JP 2010531426 A 20080726; US 79969010 A 20100428