

Title (en)

DEVICE FOR DIE CASTING A METAL COMPONENT

Title (de)

VORRICHTUNG ZUM DRUCKGIESSEN EINES METALLISCHEN BAUTEILS

Title (fr)

DISPOSITIF DE COULÉE SOUS PRESSION D'UNE PIÈCE MÉTALLIQUE

Publication

EP 3122494 A1 20170201 (DE)

Application

EP 15707393 A 20150304

Priority

- DE 102014205388 A 20140324
- EP 2015054458 W 20150304

Abstract (en)

[origin: WO2015144398A1] The invention relates to a device for die casting a metal component, comprising a die casting mold (1), which has a cavity (5) that forms the component, the cavity (5) being connected to a source for a metal melt by means of at least one temperature-controlled supply channel (6) and the metal melt being introduced into the cavity (5) via at least one casting valve (11). Said device is characterized in that the supply channel (6) forms an annular channel, in which metal melt can be circulated by means of a conveying apparatus (19).

IPC 8 full level

B22D 17/22 (2006.01); **B22D 17/20** (2006.01); **B22D 17/30** (2006.01)

CPC (source: CN EP US)

B22D 17/08 (2013.01 - EP US); **B22D 17/20** (2013.01 - CN); **B22D 17/2023** (2013.01 - EP US); **B22D 17/203** (2013.01 - EP US); **B22D 17/2272** (2013.01 - CN EP US); **B22D 17/2281** (2013.01 - EP US); **B22D 17/30** (2013.01 - CN EP US); **B22D 17/32** (2013.01 - EP US)

Citation (search report)

See references of WO 2015144398A1

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)

DE 102014205388 A1 20150924; CN 105848809 A 20160810; CN 105848809 B 20180608; EP 3122494 A1 20170201; EP 3122494 B1 20200708; US 10092950 B2 20181009; US 2017008078 A1 20170112; WO 2015144398 A1 20151001

DOCDB simple family (application)

DE 102014205388 A 20140324; CN 201580003246 A 20150304; EP 15707393 A 20150304; EP 2015054458 W 20150304; US 201615272487 A 20160922