

Title (en)
Directional solidification mould

Title (de)
Direktionale Härtungsform

Title (fr)
Moule de solidification directionnelle

Publication
EP 2165787 A1 20100324 (EN)

Application
EP 09251609 A 20090620

Priority
GB 0815384 A 20080826

Abstract (en)
A mould for use in directionally solidifying a component has a casting cavity including a single crystal selector spiral which is a helical passage having not less than 1¼ and not more than 1½ turns.

IPC 8 full level
B22C 9/04 (2006.01); **B22C 7/02** (2006.01); **B22C 9/24** (2006.01); **B22D 25/02** (2006.01)

CPC (source: EP US)
B22C 7/026 (2013.01 - EP US); **B22C 9/04** (2013.01 - EP US); **B22C 9/24** (2013.01 - EP US); **B22D 25/02** (2013.01 - EP US)

Citation (search report)
• [XY] EP 0087379 A1 19830831 - UNITED TECHNOLOGIES CORP [US]
• [X] EP 0105823 A1 19840418 - UNITED TECHNOLOGIES CORP [US]
• [Y] GB 2364006 A 20020116 - ROLLS ROYCE PLC [GB]

Cited by
CN102794402A; CN112589048A; CN107745093A; EP4310398A3; CN104439068A; EP3453972A3; US10940530B2; US11931801B2; WO2020112087A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2165787 A1 20100324; GB 0815384 D0 20081001; US 2010051142 A1 20100304

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EP 09251609 A 20090620; GB 0815384 A 20080826; US 45788109 A 20090624