

Title (en)
Method of cooling magnesium castings

Title (de)
Verfahren zum Kühlen von Magnesiumguss

Title (fr)
Procédé pour refroidir des coulages en magnésium

Publication
EP 1881082 A1 20080123 (DE)

Application
EP 06017643 A 20060824

Priority
DE 102006033698 A 20060720

Abstract (en)
The magnesium casting process involves applying carbon-dioxide snow (5) produced by relieving pressure of liquid carbon dioxide (6) to the surface of the molten magnesium filling the pigs or molds (2) and then transporting the pigs through a cooling tunnel (9) into which the carbon dioxide, now in the form of gas (8), is supplied.

Abstract (de)
Die Erfindung betrifft ein Verfahren zum Kühlen von mit flüssiger Magnesiumschmelze gefüllten Massein oder Formen (2), wobei auf die Oberfläche der Schmelze Kohlendioxid-Schnee (5) aufgebracht wird.

IPC 8 full level
C22B 26/22 (2006.01); **B22D 21/02** (2006.01); **B22D 21/04** (2006.01); **B22D 30/00** (2006.01); **F25D 3/12** (2006.01)

CPC (source: EP)
B22D 3/00 (2013.01); **B22D 21/007** (2013.01); **B22D 30/00** (2013.01); **C22B 9/006** (2013.01); **C22B 26/22** (2013.01); **F25D 3/127** (2013.01)

Citation (search report)

- [YD] US 2008731 A 19350723 - STROUP PHILIP T
- [YD] WO 0212575 A2 20020214 - LINDE GAS AG [DE], et al
- [Y] JP S61182869 A 19860815 - KUBOTA LTD
- [Y] US 3815377 A 19740611 - TYREE L
- [Y] EP 0986966 A2 20000322 - PRAXAIR TECHNOLOGY INC [US]
- [Y] DE 3100028 A1 19820422 - GISAG VEB [DD]
- [Y] WO 2005005897 A2 20050120 - PACKO INOX NV [BE], et al
- [Y] EP 0639650 A1 19950222 - COMMW IND GASES [AU]
- [Y] US 4666511 A 19870519 - NAUD JEAN-MICHAEL [FR]

Cited by
CN110508761A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1881082 A1 20080123; DE 102006033698 A1 20080124

DOCDB simple family (application)
EP 06017643 A 20060824; DE 102006033698 A 20060720