

Title (en)
AUTOMATIC MOLTEN METAL POURING DEVICE WITH PRESSURIZING FUNCTION, AND AUTOMATIC MOLTEN METAL POURING METHOD WITH PRESSURIZING FUNCTION

Title (de)
AUTOMATISCHE VORRICHTUNG MIT DRUCKFUNKTION ZUM GIESSEN VON METALLSCHMELZE UND AUTOMATISCHES VERFAHREN MIT DRUCKFUNKTION ZUM GIESSEN VON METALLSCHMELZE

Title (fr)
DISPOSITIF AUTOMATIQUE DE COULAGE DE MÉTAL EN FUSION À FONCTION DE MISE SOUS PRESSION ET PROCÉDÉ DE COULAGE DE MÉTAL EN FUSION À FONCTION DE MISE SOUS PRESSION

Publication
EP 3225332 A4 20180523 (EN)

Application
EP 14906970 A 20141126

Priority
JP 2014081199 W 20141126

Abstract (en)
[origin: EP3225332A1] To provide a machine and method for efficiently pouring and definitely filling only a desired cavity with molten metal to cause the molten metal to solidify there. The automatic pouring machine (1) that has an ability to pressurize having a ladle (2) for pouring molten metal into a mold (A) comprises a pouring unit (10) that can move a ladle in the direction parallel to, and in the direction perpendicular to, a line (L) of molds where a plurality of molds are transported and a unit (20) for pressurizing the molten metal that is supported by the pouring unit and that supplies pressurized gas and a granular material to the mold into which molten metal has been poured. The unit (20) supplies the pressurized gas and the granular material to the mold that is next to the mold into which the pouring unit pours molten metal.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)

- [Y] WO 2014077021 A1 20140522 - SINTOKOGIO LTD [JP], et al
- [Y] JP 2011206785 A 20111020 - SINTOKOGIO LTD, et al
- [Y] JP 2010269345 A 20101202 - FOUNDRY TECH CONSULTING KK
- See references of WO 2016084154A1

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

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 14906970 A 20141126; CN 201480083680 A 20141126; JP 2014081199 W 20141126; JP 2016561133 A 20141126; KR 20177014289 A 20141126; MX 2017006821 A 20141126; US 201415527183 A 20141126