

Title (en)
DEVICE FOR PRODUCING A CYLINDER CRANKCASE USING THE LOW-PRESSURE OR GRAVITY CASTING METHOD

Title (de)
VORRICHTUNG ZUR HERSTELLUNG EINES ZYLINDERKURBELGEHÄUSES IM NIEDERDRUCK- ODER SCHWERKRAFTGIESSVERFAHREN

Title (fr)
DISPOSITIF DE FABRICATION D'UN BLOC-CYLINDRES PAR UN PROCÉDÉ DE MOULAGE BASSE PRESSION OU PAR GRAVITÉ

Publication
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Application
EP 15701711 A 20150115

Priority

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- EP 2015050639 W 20150115

Abstract (en)
[origin: WO2015113821A1] Devices for producing cylinder crankcases (22) using the low-pressure casting or gravity casting method are already known, comprising an outer casting mould (10) having mould parts (12, 14, 16, 18) which in the assembled state form a mould cavity (20) that depicts for casting purposes an outer contour of the cylinder crankcase (22), a dosing furnace (28) which contains liquid metal, and at least one section (30) which is arranged geodetically below the mould cavity (20) and via which the dosing furnace (28) can be fluidically connected to the mould cavity (20). However, the cylinder crankcases produced by the known devices often do not have sufficient strength in the region of the bosses or the cylinder head. It is therefore proposed that each section (30) is connected to a sprue bush (34) which projects into a region of the mould cavity (20) that forms a cylinder space (24) of the cylinder crankcase (22). This improves the filling and allows replenishment of high-mass sections of the cylinder crankcase.

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