

Title (en)

PROCESS AND DEVICE FOR FILLING A CASTING TOOL WITH A METAL MELT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BEFÜLLEN EINES GIESSWERKZEUGS MIT EINER METALLSCHMELZE

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE REMPLIR UN OUTIL DE FONDERIE AVEC UN METAL EN FUSION

Publication

EP 0848652 B1 19991027 (DE)

Application

EP 96934361 A 19960814

Priority

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Abstract (en)

[origin: US6105658A] PCT No. PCT/DE96/01544 Sec. 371 Date Jun. 15, 1998 Sec. 102(e) Date Jun. 15, 1998 PCT Filed Aug. 14, 1996 PCT Pub. No. WO97/09137 PCT Pub. Date Mar. 13, 1997 In order to fill a casting mould with a molten metal, the latter is caused to flow into through an annular chamber into the shaped cavity of a casting mould, such annular chamber discharging over the entire external periphery of the shaped cavity into the latter. The inflow of molten metal into the annular chamber is interrupted by means of a piston, which, being borne inside the annular chamber, is capable of sliding therein. The molten metal can be caused to flow across a large flow cross-section, which shortens the filling time even with reduced flow velocity.

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US 6105658 A 20000822; AT E185990 T1 19991115; AU 705079 B2 19990513; AU 7277796 A 19970327; BR 9610360 A 19991221; CA 2231406 A1 19970313; CA 2231406 C 20020702; DE 19533447 C1 19961205; DE 59603504 D1 19991202; EP 0848652 A1 19980624; EP 0848652 B1 19991027; ES 2139387 T3 20000201; KR 970706928 A 19971201; MY 115849 A 20030930; NO 319939 B1 20051003; NO 981022 D0 19980309; NO 981022 L 19980507; TW 320579 B 19971121; WO 9709137 A1 19970313; WO 9709140 A1 19970313

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