

Title (en)  
CASTING PLUNGER AND CASTING UNIT WITH SHUT-OFF VALVE

Title (de)  
GIESSKOLBEN UND GIESSEINHEIT MIT ABSPERRVENTIL

Title (fr)  
PISTON D'INJECTION ET UNITÉ DE COULÉE À SOUPAPE D'ARRÊT

Publication  
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Application  
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Abstract (en)  
[origin: WO2012146408A1] The invention relates to a casting plunger (3) with an integrated shut-off valve (7) and to a casting unit for a casting machine having a casting vessel (1), wherein the casting unit comprises a casting plunger, which is arranged axially movably in a casting cylinder of the casting vessel and/or a standpipe shut-off valve (8) in a standpipe (4) of the casting vessel. A casting plunger according to the invention has a plunger sleeve (9), which can be brought to bear against an inner wall (10) of a casting cylinder (2) of the casting unit and comprises a valve seat (11) for the integrated shut-off valve, and has a plunger ram (12), which comprises an associated valve body (13), wherein the plunger sleeve and the plunger ram are movable axially with respect to each other by a predeterminable valve stroke. A casting unit according to the invention has such a casting plunger and/or a standpipe shut-off valve (8) with a special valve body (20) through which molten material can flow. Use for example for hot-chamber pressure diecasting machines. Figure 1.

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