

Title (en)
CASTING GATE FOR LINEAR AND SYMMETRIE AXIAL DISPLACEMENT

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EP 0346258 B1 19930303 (FR)

Application
EP 89470007 A 19890410

Priority
FR 8806617 A 19880513

Abstract (en)
[origin: WO8910812A1] A device used in vessels for casting molten metals such as steel comprises a so-called inner spout (2) of refractory material, a fixed circular plate (3) of refractory material having an axial hole coincident with that of the nozzle (2), a movable circular plate (4) of refractory material having a hole centred about the axis (23), and a so-called collecting nozzle (5) of refractory material, integral with the movable plate (4), for stabilizing the deflected jet. The movable plate (4) can undergo a displacement (17) along a straight line or other path so as to close, to a greater or lesser extent, the hole in the fixed plate (3). The movable plate (4) can also pivot about its axis (23). The symmetry of the shape of the various refractory elements with respect to their orifices, through which the hot metal flows, confers on the assembly optimal properties of dilatation and resistance to thermal shock. As the plate (4), and possibly the plate (3), can be pivoted about their respective axes, the wear on the holes can be distributed symmetrically and the amplitude of the displacements can be reduced.

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Cited by
EP1707291A1; DE10324801A1; BE1008119A3; DE4231692C1; US5076476A; AU2006222134B2; EA010251B1; EA013176B1; WO2006094846A1; US7648053B2; EP1900459A2

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