

Title (en)  
DOOR-TYPE ROTARY NOZZLE

Publication  
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Application  
**EP 84401211 A 19840613**

Priority  
JP 10409383 A 19830613

Abstract (en)  
[origin: EP0128841A1] The invention relates to a door type rotary nozzle attached to a bottom discharge opening of a molten metal container such as ladle or tundish. The nozzle comprises a stationary bottom plate brick (4), having a nozzle bore (4a) in register with said discharge opening (2a); a stationary frame (5); an annular door frame (13) displaceably mounted to said stationary frame; a sliding plate brick (16) having another nozzle bore (16a) capable of communicating with said nozzle bore (4a) of said stationary bottom plate brick and an inner frame (14) supported within said door frame and adapted for holding said sliding plate brick in surfacial contact with said stationary bottom plate brick when said door frame is closed; a plurality of dogs (19) holding the door frame closed by engaging with said stationary frame; resilient means (15) mounted with resiliency between said door frame (13) and said inner frame (14) and means (8) for driving said inner frame (14) in rotation from the outside thereby rotating said sliding plate brick relative to said stationary plate brick while said door frame remains closed.

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FR 2453698 A1 19801107 - NIPPON KOKAN KK [JP]

Cited by  
EP0357227A1; EP0378818A1; US4732304A; FR2575948A1; US4991753A; CN108160982A

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