

Title (en)
TURNING AND/OR SLIDING LOCK AND ITS LOCKING PARTS

Publication
EP 0332867 B1 19920115 (DE)

Application
EP 89102653 A 19890216

Priority
DE 3809072 A 19880318

Abstract (en)
[origin: JPH0211261A] PURPOSE: To obtain a closure device, in which a driving element is not passed through molten metal and a vessel wall by constituting the the rotary and/or the reciprocating driving device as an electromagnetic driving device. CONSTITUTION: The closure device 2 is provided with a ceramic material-made refractory tube 3 as the fixed closure member, and the axis of this tube 3 is vertically stood to the bottom 1. The other ceramic material-made tube 5 is fitted as the movable closure member on the tube 3 and the upper part thereof is closed. Since the tube 5 is rotatably fitted so as not to leak molten metal around the axis of the tube 3, the notched part 4 of the tube 3 and the notched part 6 of the tube 5 are formed as a straight line under opening state of the closure device, and the notched part 6 is covered with the tube 3 at the closing position. The electromagnetic driving device 7 is provided as the rotary driving device for the tube 5. This driving device 7 is provided with magnetic cores 8 of one or plural permanent magnets and one or plural magnetic coils 9. The tube 5 is rotated by supplying the current into the magnetic coil 9 through a connecting lead wire 10.

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B22D 41/08

IPC 8 full level
B22D 41/38 (2006.01); **B22D 37/00** (2006.01); **B22D 41/08** (2006.01); **B22D 41/14** (2006.01); **B22D 41/22** (2006.01)

CPC (source: EP KR US)
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Cited by
EP0436813A3; RU2467828C2; CN104959591A; EP2011591A2

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DOCDB simple family (publication)
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