

Title (en)

Turning and/or sliding lock and its locking parts.

Title (de)

Dreh- und/oder Schieberverschluss und dessen Verschlusssteile.

Title (fr)

Fermeture tournante et/ou dispositif de poussée et ses pièces de fermeture.

Publication

EP 0332867 A1 19890920 (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.

Abstract (de)

Ein Dreh- und/oder Schieberverschluss für einen Ausguß eines Metallschmelze enthaltenden Gefäßes besteht aus einem feuerfesten, unbeweglichen Verschlussenteil (3) und einem relativ zu diesem dichtend dreh- und/oder verschiebbaren, feuerfesten, beweglichen Verschlussenteil (5), das mittels eines Dreh- und/oder Hubantriebs betätigbar ist. Die Antriebselemente für das bewegliche Verschlussenteil (5) sollen nicht durch die Schmelze und nicht durch das unbewegliche Verschlussenteil (3) hindurchgeführt sein. Es ist hierfür zum Antrieb des beweglichen Verschlussteils (5) ein elektromagnetischer Antrieb (7) vorgesehen.

IPC 1-7

B22D 41/08

IPC 8 full level

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CPC (source: EP KR US)

B22D 41/14 (2013.01 - EP US); **B22D 41/38** (2013.01 - KR)

Citation (search report)

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