

Title (en)
Revolving turret for ladles.

Title (de)
Drehturm für Giesspfannen.

Title (fr)
Dispositif tournant pour poches de coulée.

Publication
EP 0017696 A1 19801029 (DE)

Application
EP 80100163 A 19800114

Priority
DE 2916042 A 19790420

Abstract (en)
[origin: JPS55141371A] PURPOSE:To achieve the safety of ladle operation and the ease of the installation of levers or their disassembly work by supporting a pair of ladle stopping levers disposed symmetrically to the rotary tower by means of the specific bearings. CONSTITUTION:Bearings 14A, 14B opened upward are mounted onto a rotary tower 3 which is driven by a rack mechanism 4, so that the respective arcs 8 of fork-form ladle stopping levers 7 are supported. The respective levers may be turned and oscillated independently within the perpendicular plane with the bearings as a fulcrum by elongating or contracting the hydraulic cylinder 16 which is fixed at one end to the cross travers 20 installed to the tower and is pivotally fitted at the other end to the lower part of an L-type arm 10. At this time, the bearings support the arm 8 tiltably by means of their spherical rollers or thrust balls and therefore they withstand high load sufficiently and make the replacement and repair of the levers easy.

Abstract (de)
Der Drehturm für den Transport von Giesspfannen (12) weist zwei zueinander entgegengesetzt angeordnete, in Draufsicht gabelförmig ausgebildete Hebel auf. Die gabelförmigen Hebel (7) sind doppelarmig ausgeführt und am drehbaren Turmkopf kippbar gelagert. Jeder Hebel ist mit Hilfe eines einseitig am Drehturm und andererseits am Hebel angelenkten Hubmittels in vertikaler Ebene begrenzt verschwenkbar. Für die Lagerung der Hebel sind in Draufsicht offene Lager, z. B. kugelige Axialgelenklager (14), vorgesehen. Die Hebel sind vom Drehturmkopf ohne Demontage der Lagerung abhebbar.

IPC 1-7
B22D 11/10; B22D 41/06

IPC 8 full level
B22D 41/00 (2006.01); **B22D 11/10** (2006.01); **B22D 41/06** (2006.01); **B22D 41/13** (2006.01)

CPC (source: EP US)
B22D 41/13 (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)
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