

Title (en)

Ladle changing device for continuous casting machines

Title (de)

Vorrichtung zum Wechseln der Pfannen bei Stranggiessanlagen

Title (fr)

Dispositif pour le changement de poches à couler dans une installation de coulée continue

Publication

EP 1616644 A1 20060118 (DE)

Application

EP 05014818 A 20050708

Priority

DE 102004034704 A 20040717

Abstract (en)

Assembly to change the ladles (8,9), in a continuous casting machine, brings the ladles alternately into the pouring position to deliver molten steel to a distributor in a mold for shaping and initial hardening. A seat (7) has openings to hold the ladles, supported by a coaxial bearing ring (5) for the ladles to lie within an axial projection of the bearing ring. The seat rotates on rollers riding in a pathway on the bearing ring to bring the ladles into their required positions. The bearing ring has a passage opening (20) for the ladles to be moved in and out.

IPC 8 full level

B22D 41/13 (2006.01); **B22D 11/10** (2006.01)

CPC (source: EP)

B22D 11/10 (2013.01); **B22D 41/13** (2013.01)

Citation (search report)

- [A] DE 1608094 B1 19720323 - VOEST AG
- [DA] DE 3122215 A1 19830105 - PHB WESERHUETTE AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09 31 July 1998 (1998-07-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 04 31 March 1998 (1998-03-31)

Cited by

CN107214314A; CN105364060A

Designated contracting state (EPC)

ES FR GB IT TR

DOCDB simple family (publication)

EP 1616644 A1 20060118; EP 1616644 B1 20071003; DE 102004034704 B3 20060126; ES 2294600 T3 20080401

DOCDB simple family (application)

EP 05014818 A 20050708; DE 102004034704 A 20040717; ES 05014818 T 20050708