

Title (en)

Strand guide segment for slab casters

Title (de)

Strangführungssegment für Brammengiessanlagen

Title (fr)

Segment de guidage des barres pour installations de coulée de brames

Publication

**EP 0960671 A3 20001108 (DE)**

Application

**EP 99110206 A 19990526**

Priority

DE 19824366 A 19980530

Abstract (en)

[origin: EP0960671A2] Four pressure cylinders serve as adjustment units located outside the heat radiation zone above the slab guide segment. Four pressure cylinders (4, 4', 5, 5') serve as adjustment units are located outside the heat radiation zone above the slab guide segment. The distance (A) between the pressure cylinders determining the segment width is reduced. The segment cross members are provided with plates for protection against heat radiation. Water-cooled side frames (11) are attached laterally to the bottom frame (8).

IPC 1-7

**B22D 11/128**

IPC 8 full level

**B22D 11/128** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP US)

**B22D 11/128** (2013.01 - EP US)

Citation (search report)

- [DA] DE 19627336 C1 19970918 - MANNESMANN AG [DE]
- [A] DE 4306853 A1 19940901 - MANNESMANN AG [DE]
- [A] DE 4022871 A1 19920123 - VOEST ALPINE IND ANLAGEN [AT]
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 535 (M - 899) 29 November 1989 (1989-11-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 062 (M - 1553) 2 February 1994 (1994-02-02)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0960671 A2 19991201; EP 0960671 A3 20001108; EP 0960671 B1 20030625**; DE 19824366 A1 19991202; DE 59906060 D1 20030731; JP 2000000649 A 20000107; JP 4298057 B2 20090715; RU 2219014 C2 20031220; US 6328093 B1 20011211

DOCDB simple family (application)

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