

Title (en)

Coaxial adjacent supported strand guiding rollers in a continuous casting plant for steel.

Title (de)

Koaxial benachbart gelagerte Strangführungsrollen in einer Stahl-Stranggiessanlage für Brammen.

Title (fr)

Rouleaux de guidage coaxial à proximité de billettes pour une installation de coulée continue pour l'acier.

Publication

EP 0037549 A1 19811014 (DE)

Application

EP 81102404 A 19810331

Priority

DE 3013484 A 19800408

Abstract (en)

[origin: ES268984U] An arrangement of coaxial neighbouring, mutually independently mounted strand guide rolls for use in a continuous casting installation for casting steel slabs is disclosed. At the region of the path of travel of the cast slab mutually neighbouring bearing or roll journals of two cooled strand guide rolls are interconnected by a coupling means which can be mounted upon the bearing or roll journals. The coupling means is provided with entrainment surfaces for the rotational movement of the guide rolls. These entrainment surfaces coact with the bearing or roll journals.

Abstract (de)

Bei einer Stranggießanlage für Brammen sind Strangführungsrollen koaxial benachbart, unabhängig voneinander gelagert. Zur Erzielung einer konstruktiv einfachen, wartungsfreundlichen Strangführung mit Strangführungsrollen von hoher Standzeit sind benachbarte Lagerzapfen zweier gekühlter Strangführungsrollen (3a, 3b) durch eine aufsteckbare Kupplungsscheibe (19) drehfest verbunden.

IPC 1-7

B22D 11/128; B22D 11/14

IPC 8 full level

B22D 11/128 (2006.01); **B22D 11/14** (2006.01)

CPC (source: EP US)

B22D 11/1287 (2013.01 - EP US)

Citation (search report)

- DE 2420514 B1 19750710
- DE 2722201 A1 19771201 - CONCAST AG
- DE 2428213 A1 19760108 - SCHLOEMANN SIEMAG AG
- FR 2326258 A1 19770429 - DEMAG AG [DE], et al
- CH 595908 A5 19780228 - DEMAG AG
- DE 2544556 B2 19780202

Cited by

AT517252B1; DE10109893C1; FR2604498A1; DE19836537C1; AT410411B; CN105636722A; EP3041620A4; WO2015034421A1; WO02066182A1

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