

Title (en)
Strand guide segment

Title (de)
Strangführungssegment

Title (fr)
Segment de guidage de barre coulée

Publication
EP 1752238 A3 20080813 (DE)

Application
EP 06020534 A 20010420

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• EP 01933864 A 20010420
• AT 4152000 U 20000602

Abstract (en)
[origin: WO0194051A1] The invention relates to a strand guide element for use in a continuous slab caster or continuous thin-slab caster. Said strand guide element comprises at least two strand guide rolls (5a, 5b) that form a cooperating pair of rolls and that are received by opposite roll supports (4, 7). At least one roll support (7) is mounted in a common guide element frame (2) so as to be displaceable relative to the opposite roll support (4). Said displaceable roll support is linked with the guide element frame via an adjustment device (10) and at least one roll (5a, 5b) of the pair of rolls is coupled to a rotational drive (9a, 9b). The aim of the invention is to ensure, with little constructive modifications, the symmetrical application of the contact pressure to the cast strand and the alignment of the interacting strand guide rolls, while reducing investment and operating costs. To this end, only one adjustment device (10) is provided that centrally acts upon both the displaceable roll support (7) and the guide element frame (2), and the guides (15a, 16) on the displaceable roll support (7) engage with counter-guides (15b, 16b) on the guide element frame (2).

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Citation (search report)
• [A] AT 338984 B 19770926 - VOEST AG [AT]
• [AD] DE 2923108 A1 19800110 - VOEST ALPINE AG
• [AD] DE 3029990 A1 19820304 - MANNESMANN AG [DE]
• [AD] AT 335650 B 19770325 - VOEST AG [AT]
• [A] MÖRWALD K ET AL: "ROLL LOAD MEASUREMENTS ON THIN SLAB CASTER FOR LIQUID CORE DETECTION", IRONMAKING AND STEELMAKING, METALS SOCIETY, LONDON, GB, vol. 25, no. 2, 1 January 1998 (1998-01-01), pages 159 - 162, XP002320897, ISSN: 0301-9233

Cited by
DE102011079452A1; DE102014206685A1

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WO 0194051 A1 20011213; AT 3953 U2 20001127; AT 3953 U3 20010425; BR 0111391 A 20030610; BR 0111391 B1 20090113; CN 1184034 C 20050112; CN 1431942 A 20030723; DE 50112740 D1 20070830; DE 50115522 D1 20100729; EP 1289689 A1 20030312; EP 1289689 B1 20070718; EP 1752238 A2 20070214; EP 1752238 A3 20080813; EP 1752238 B1 20100616

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