

Title (en)

METALLURGICAL SYSTEM WITH ROLLER SECTION THAT CAN BE LOWERED ON ONE SIDE

Title (de)

GIESS-WALZ -VERBUNDANLAGE MIT SCHWENKBAREM ROLLGANGSABSCHNITT

Title (fr)

INSTALLATION SIDÉRURGIQUE DOTÉE D'UNE SECTION DE TRAIN DE ROULEAU POUVANT ÊTRE ABAISSÉE D'UN CÔTÉ

Publication

EP 3099437 B1 20171018 (DE)

Application

EP 15702695 A 20150127

Priority

- EP 14152699 A 20140127
- EP 2015051532 W 20150127

Abstract (en)

[origin: WO2015110648A1] A combined casting and rolling plant has an upstream part of the plant with a continuous casting installation (1, 2, 4) and a downstream part of the plant with a multi-stand rolling train (6) and, between the two parts of the plant, a pair of shears (11). Starting from the upstream part of the plant, a strand of metal (5) is conveyed via the shears (11) to the downstream part of the plant. In the event of an interruption in production, the strand of metal (5) is separated by means of the shears (11). The strand of metal (5b) in the upstream part of the plant is conveyed further and divided by means of the shears (11) into pieces (14), which are discharged. At the same time, a pivotable roller table section (16) of a roller table (15) arranged downstream of the shears (11) and directly adjacent to the shears (11) is pivoted downwards by an angle (α) about an axis of rotation (y) arranged transversely in relation to the main conveying direction (x). The pieces (14) are transported via the roller table section (16) to a new conveying device (17), which is aligned transversely in relation to the main conveying direction (x) and by means of which they are transported to a collecting station (18), which can also be emptied during the scrapping operation.

IPC 8 full level

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CPC (source: EP)

B22D 11/126 (2013.01); **B22D 11/128** (2013.01); **B22D 11/163** (2013.01)

Citation (opposition)

Opponent : SMS group GmbH

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- US 4106549 A 19780815 - SCHEURECKER WERNER
- DE 1905281 A1 19700806 - SCHLOEMANN AG
- DE 2710574 A1 19780914 - THYSSEN HUETTE AG
- KR 20040026166 A 20040330 - POSCO
- DE 2734767 A1 19780209 - EXLER PETRUS ANDRE THEODORUS
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- JP S614615 A 19860110 - ISHIKAWAJIMA HARIMA HEAVY IND, et al
- JP H05277539 A 19931026
- JP 2007021554 A 20070201 - NIPPON STEEL CORP
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CN112108619A; AT524538A4; AT524538B1; WO2024152494A1

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