

Title (en)

Method of transferring a metal coil

Title (de)

Verfahren zum Transfer eines Metallbundes

Title (fr)

Méthode de transport d'une bobine en métal

Publication

EP 2431107 A1 20120321 (DE)

Application

EP 10176982 A 20100916

Priority

EP 10176982 A 20100916

Abstract (en)

The method involves sectionally supporting a steel tape bundle (4) by carrier rollers (11-15) during transfer on a transfer path and simultaneously unwinding the steel tape bundle. An unwinding recess (32) is formed by changing position of the adjacent carrier rollers, where the recess extends in a direction of the transfer path. Two of the rollers are arranged on a frame part (29) and driven by a drive unit with same speed, where the frame part is hinged to another frame part (30). The bundle is supported by a supporting roller (10) in an unwinding position.

Abstract (de)

Verfahren zum Transfer eines Metallbundes (4), insbesondere eines Metallbundes in einer Coilbox, auf einem Transferweg (31) zwischen einer ersten Bundposition (5) und einer zweiten Bundposition (6), wobei der Metallbund (4) während des Transfers auf dem Transferweg (31) abschnittsweise mittels Tragrollen (11, 12, 13, 14, 15) gestützt wird, und wobei der Metallbund (4) gleichzeitig abgewickelt wird, wobei durch Änderung der Anstellung benachbart zueinander angeordneter Tragrollen eine sich in Richtung (8) des Transferweges (31) ausbreitende Abwickelmulde (32) ausgebildet wird.

IPC 8 full level

B21C 47/08 (2006.01); **B21C 47/22** (2006.01); **B21C 47/24** (2006.01)

CPC (source: EP US)

B21C 47/08 (2013.01 - EP US); **B21C 47/22** (2013.01 - EP US); **B21C 47/24** (2013.01 - EP US)

Citation (applicant)

DE 19803091 A1 19990729 - SCHLOEMANN SIEMAG AG [DE]

Citation (search report)

- [XY] WO 2009103144 A1 20090827 - HATCH LTD [CA], et al
- [YDA] DE 19803091 A1 19990729 - SCHLOEMANN SIEMAG AG [DE]
- [A] JP H1034231 A 19980210 - MITSUBISHI HEAVY IND LTD
- [A] KORABI T ET AL: "NEW DEVELOPMENTS EXPAND COILBOX APPLICATIONS", AISE STEEL TECHNOLOGY, AISE, PITTSBURG, PA, US, vol. 73, no. 12, 1 December 1996 (1996-12-01), pages 13 - 19, XP000642064, ISSN: 0021-1559

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 10176982 A 20100916; CN 201180044548 A 20110829; EP 11751588 A 20110829; EP 2011064806 W 20110829; RU 2013117123 A 20110829; US 201113821565 A 20110829