

Title (en)

Expansible mandrel with emergency contraction means for a reel for strip material.

Title (de)

Haspeldorn mit Notentspreizung für einen Bandhaspel.

Title (fr)

Mandrin expansible pourvu de moyens de contraction en cas d'urgence pour un bobinoir de matériaux en bandes.

Publication

EP 0413985 B1 19931118 (DE)

Application

EP 90114202 A 19900725

Priority

DE 3927915 A 19890824

Abstract (en)

[origin: EP0413985A2] In a reel for the straight-edged coiling or uncoiling of metal strips onto or from a coil, in particular for coiling rolled hot strip 2, with a rotatably mounted driven mandrel 1, consisting essentially of a mandrel body 4, segments 13 and an expanding rod 5, the mandrel 1 being expandable in the radial direction by the expanding rod 5, which can be moved axially in the mandrel body 4, via a clutch 7 of a rotating drive 9, it is proposed to equip the mandrel 1 with a device 20 mechanically affecting the axial mobility of the expanding rod 5, for emergency expansion if the coil cannot readily be removed from the mandrel due to a malfunction. <IMAGE>

IPC 1-7

B21C 47/30; **B65H 75/24**

IPC 8 full level

B65H 26/00 (2006.01); **B21C 47/04** (2006.01); **B21C 47/30** (2006.01); **B65H 75/24** (2006.01)

CPC (source: EP US)

B21C 47/30 (2013.01 - EP US); **B65H 75/2487** (2021.05 - EP US)

Cited by

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EP 0413985 A2 19910227; **EP 0413985 A3 19910807**; **EP 0413985 B1 19931118**; AT E97351 T1 19931215; DE 3927915 A1 19910228; DE 59003518 D1 19931223; ES 2047776 T3 19940301; FI 904173 A0 19900823; JP 2693026 B2 19971217; JP H0394913 A 19910419; LT 3760 B 19960325; LT IP1834 A 19950825; LV 10936 A 19951220; LV 10936 B 19960420; RU 1809817 C 19930415; UA 13482 A 19970425; US 5123606 A 19920623

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