

Title (en)

Reel for winding a metal strip

Title (de)

Haspel zum Wickeln von Metallband

Title (fr)

Bobineuse pour enroulement de bande métallique

Publication

EP 2772324 A1 20140903 (DE)

Application

EP 13157392 A 20130301

Priority

EP 13157392 A 20130301

Abstract (en)

The reel (1) has mandrel shaft (2) including a drive-side end piece (18), which is rotatably mounted by a bearing (4) that is provided in a machine frame (3). A clamping device (5) is arranged between the bearing and the shaft so that a frictional connection is produced between the bearing and the shaft in a clamped operating state. The clamping device includes a hydraulically actuated clamping sleeve with a cavity i.e. hollow cylinder, for receiving hydraulic medium. The drive-side end piece is fastened in the bearing by the clamping device.

Abstract (de)

Haspel zum Wickeln von Metallband, insbesondere von gewalztem Warmband, mit einer Dornwelle (2), die ein erstes Wellenendstück (18) aufweist, welches mittels zumindest eines im Maschinenrahmen (3) der Haspel vorgesehenen Lagers (4) drehbar gelagert ist, wobei zwischen dem zumindest einen Lager (4) und der Dornwelle (2) eine Spannvorrichtung (5) angeordnet ist, so dass in einem gespannten Betriebszustand eine reibschlüssige Verbindung zwischen dem zumindest einen Lager (4) und der Dornwelle (2) herstellbar ist.

IPC 8 full level

B21C 47/28 (2006.01)

CPC (source: EP US)

B21B 1/22 (2013.01 - US); **B21C 47/28** (2013.01 - EP US); **B65H 18/026** (2013.01 - US); **B65H 18/10** (2013.01 - US); **B21B 2001/225** (2013.01 - US); **B65H 2301/4132** (2013.01 - US)

Citation (search report)

- [A] US 3989202 A 19761102 - NOE OSKAR, et al
- [A] JP S5483653 A 19790703 - HITACHI LTD

Cited by

CN111014299A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2772324 A1 20140903; CN 105050740 A 20151111; CN 105050740 B 20171013; EP 2961541 A1 20160106; EP 2961541 B1 20190522; US 2016016213 A1 20160121; US 9873144 B2 20180123; WO 2014131640 A1 20140904

DOCDB simple family (application)

EP 13157392 A 20130301; CN 201480011900 A 20140217; EP 14705139 A 20140217; EP 2014053011 W 20140217; US 201414771996 A 20140217