

Title (en)

Device for mounting, securing and dismounting a ring roll clamped on an cantilevered roll shaft

Title (de)

Vorrichtung zur Montage, Sicherung und Demontage eines auf einer fliegend gelagerten Walzenwelle verspannten Walzrings

Title (fr)

Dispositif pour le montage, la fixation et le démontage d'une bague de laminage serrée sur une arbre de laminage en porte-à-faux

Publication

**EP 1034854 A3 20020619 (DE)**

Application

**EP 00104876 A 20000307**

Priority

DE 19910541 A 19990309

Abstract (en)

[origin: DE19910541C1] Apparatus for assembling, securing and disassembling a roller ring tensioned on a roller shaft comprises an axially secured cylindrical base body, inner and outer pistons and a clamping sleeve. Apparatus for assembling, securing and disassembling a roller ring tensioned on a roller shaft comprises: (1) an axially secured cylindrical base body (5) movable on the free head end (1b) of the roller shaft and connected to a cylindrical pressure piece (6) via a radial part placed with its front side on the roller ring; (2) inner and outer pistons (7, 8) in the free space formed between the pressure piece and the base body and arranged in a sealed annular pressure chamber (9, 10) and connected axially to the base body via a connecting piece (9b, 10b); and (3) a clamping sleeve (2) and outer piston (8) coupled by their opposite ends to give a positive fit.

IPC 1-7

**B21B 27/03**; **B21B 27/02**

IPC 8 full level

**B21B 27/02** (2006.01); **B21B 13/00** (2006.01)

CPC (source: EP)

**B21B 27/035** (2013.01); **B21B 13/005** (2013.01); **B21B 2203/30** (2013.01)

Citation (search report)

- [X] DE 19503682 C1 19960502 - MANNESMANN AG [DE]
- [X] DE 19641133 A1 19980416 - SCHAEFER ERHARD [DE]
- [X] EP 0298675 A1 19890111 - MORGAN CONSTRUCTION CO [US]
- [X] GB 1376970 A 19741211 - KRUPP GMBH

Cited by

CN110883109A; IT202100017912A1; EP1557226A1; CN1305592C; US7017381B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19910541 C1 20000420**; EP 1034854 A2 20000913; EP 1034854 A3 20020619

DOCDB simple family (application)

**DE 19910541 A 19990309**; EP 00104876 A 20000307