

Title (en)

YARN WINDING DEVICE WITH A SPINDLE BEARING HOUSING FITTED TO THE SPINDLE RAIL

Publication

**EP 0419962 A3 19910724 (DE)**

Application

**EP 90117698 A 19900914**

Priority

DE 3932275 A 19890927

Abstract (en)

[origin: EP0419962A2] A yarn-winding device has a cylindrical spindle-bearing housing (11) which is arranged vertically in a bore (12) of a spindle rail (13) and into which a spindle shank (27), intended for the attachment of a winding tube and equipped with a driving wharve, is inserted from above for the purpose of a rotary mounting. The spindle-bearing housing has a widened supporting portion (14) above the bore (12). As fastening means, a cup spring (15) is provided axially displaceably on the spindle-bearing housing (11) underneath the bore (12), and under the cup spring (15) a retaining ring (18) which is snapped into an annular groove (21) of the spindle-bearing housing (11). <IMAGE>

IPC 1-7

**D01H 7/04**

IPC 8 full level

**B65H 54/00** (2006.01); **D01H 7/04** (2006.01); **D01H 7/08** (2006.01)

CPC (source: EP)

**D01H 7/04** (2013.01)

Citation (search report)

- [A] CH 469831 C
- [A] GB 961685 A 19640624 - DONOVAN ELECTRICAL COMPANY LTD
- [A] GB 710450 A 19540609 - SCRAGG & SONS, et al

Cited by

CN104153065A

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0419962 A2 19910403; EP 0419962 A3 19910724**; CS 463190 A3 19920318; DE 3932275 A1 19910404; JP H0359374 U 19910611

DOCDB simple family (application)

**EP 90117698 A 19900914**; CS 463190 A 19900927; DE 3932275 A 19890927; JP 9982490 U 19900926