

Title (en)

Device for winding and unwinding principally flat-printed products

Title (de)

Vorrichtung zum Auf- und Abwickeln von mehrheitlich flachen Druckprodukten

Title (fr)

Dispositif pour enrouler et dérouler des produits imprimés principalement plats

Publication

EP 0739838 B1 19990929 (DE)

Application

EP 96810247 A 19960419

Priority

CH 117795 A 19950425

Abstract (en)

[origin: EP0739838A2] The drivable winding core (3) and an upper column part (4) of the winding frame connected to it on the face side and penetrating the rotary axis (8) of the winding core vertically is releasably fixed to the lower column part (13) connected to the winding frame foot (12). The upper column part has fixture sections (19, 20) of different lengths distributed on the rotary axis of the winding core. The free ends of the fixture sections of the upper column part are formed applicable to the lower column part of the winding frame. The upper and lower column parts are formed by two spaced apart, parallel support components which have a hollow cross-section.

IPC 1-7

B65H 29/00; **B65H 5/28**

IPC 8 full level

B41J 15/04 (2006.01); **B65H 5/28** (2006.01); **B65H 19/10** (2006.01); **B65H 19/22** (2006.01); **B65H 29/00** (2006.01)

CPC (source: EP US)

B65H 5/28 (2013.01 - EP US); **B65H 29/006** (2013.01 - EP US); **B65H 2301/41922** (2013.01 - EP US); **B65H 2701/1932** (2013.01 - EP US)

Cited by

US7758483B2; US6520446B2

Designated contracting state (EPC)

DE DK FR GB IT SE

DOCDB simple family (publication)

EP 0739838 A2 19961030; **EP 0739838 A3 19971015**; **EP 0739838 B1 19990929**; CH 690618 A5 20001115; DE 59603200 D1 19991104; DK 0739838 T3 20000410; JP 4202437 B2 20081224; JP H08310694 A 19961126; US 6502782 B1 20030107

DOCDB simple family (application)

EP 96810247 A 19960419; CH 117795 A 19950425; DE 59603200 T 19960419; DK 96810247 T 19960419; JP 10277796 A 19960424; US 63693796 A 19960424