Title (en)

Modular device for manually unwinding a film wound on a core

Title (de)

Modulare Vorrichtung zum manuellen Abwickeln einer auf einem Kern aufgewickelten Folie

Title (fr)

Dispositif modulaire pour dérouler manuellement un film enroulé sur un noyau

Publication

EP 2341013 A1 20110706 (EN)

Application

EP 10196889 A 20101223

Priority

IT MI20092298 A 20091224

Abstract (en)

A modular device (100) for manually unwinding a film (11) wound on a core consisting of two half-reel elements (10) which can be associated on opposite sides of said core, each of said two half-reel elements (10) comprising a cylindrical hub element (12), which can be coupled integral with said core, and a tubular manual gripping element (13) internally coupled to said cylindrical hub element (12), said tubular element (13) being locked axially but rotatable with respect to said cylindrical hub element (12) to enable the manual unwinding of said film (11) through relative rotation of said tubular element (13) with respect to said cylindrical hub element (12), said cylindrical hub element (12) comprising a widened head portion (14) for selective manual gripping during unwinding for integrally joining said cylindrical hub (12) with said tubular element (13).

IPC 8 full level

B65D 85/672 (2006.01); **B65B 67/08** (2006.01); **B65H 75/18** (2006.01)

CPC (source: EP)

B65B 67/085 (2013.01); **B65D 85/672** (2013.01); **B65H 75/185** (2013.01); B65H 2402/412 (2013.01)

Citation (search report)

- [XA] US 6027069 A 20000222 - HUANG HARRISON [TW]
- [XA] US 2009050729 A1 20090226 - HUANG HARRISON [TW]
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EP3862284A1; IT202000001414A1

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 2341013 A1 20110706; **EP 2341013 B1 20130731**; IT MI20092298 A1 20110625

DOCDB simple family (application)

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