Title (en)

Yarn winding device provided with a yarn accumulating device

Title (de)

Garnwickelvorrichtung mit einer Garnansammlungsvorrichtung

Title (fr)

Dispositif de bobinage de fil muni d'un dispositif d'accumulation de fil

Publication

EP 2626323 B1 20150603 (EN)

Application

EP 13150070 A 20130102

Priority

JP 2012024295 A 20120207

Abstract (en)

[origin: EP2626323A2] The invention aims to reduce a weight of a yarn accumulating roller and realize a quick rotational control of the yarn accumulating roller. A winding unit (1) includes a yarn supplying section (3), a package winding section (4), and a yarn accumulating device (22) arranged between the yarn supplying section (3) and the package winding section (4). The yarn accumulating device (22) includes a cylindrical yarn accumulating roller (40) around which a yarn (y) is wound by being rotated. The yarn accumulating roller (40) is formed of a resin material which is a non-metal material.

IPC 8 full level

B65H 51/22 (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); B65H 2701/31 (2013.01)

Citation (opposition)

Opponent : Maschinenfabrik Rieter AG

- WO 2011040545 A1 20110407 - MURATA MACHINERY LTD [JP], et al
- EP 2484620 A1 20120808 - MURATA MACHINERY LTD [JP]
- DE 4127796 A1 19930225 - IRO AB [SE]
- DE 19538135 A1 19970417 - TERROT STRICKMASCHINEN GMBH [DE]
- ANONYMOUS: "Kunststoffmetallisierung", WIKIPEDIA, 16 November 2011 (2011-11-16), pages 1 - 2, XP055276366, Retrieved from the Internet <URL:https://de.wikipedia.org/wiki/Kunststoffmetallisierung>
- ANONYMOUS: "Faser-Kunststoff-Verbund", WIKIPEDIA-ARTIKEL, 9 November 2011 (2011-11-09), pages 1 - 9, XP055276374, Retrieved from the Internet <URL:https://de.wikipedia.org/wiki/Faser-Kunststoff-Verbund>

Cited by

EP3000756A1; CN110004557A; EP3321399A1; CN108070930A; EP3401424A1; DE102017110358A1

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

DOCDB simple family (publication)

EP 2626323 A2 20130814; **EP 2626323 A3 20140409**; **EP 2626323 B1 20150603**; CN 103241594 A 20130814; CN 103241594 B 20161207; JP 2013159467 A 20130819; JP 5915219 B2 20160511

DOCDB simple family (application)

EP 13150070 A 20130102; CN 201310024299 A 20130114; JP 2012024295 A 20120207