

Title (en)
YARN WINDER

Title (de)
GARNWICKLER

Title (fr)
BOBINOIR DE FIL

Publication
EP 2484618 A1 20120808 (EN)

Application
EP 10820657 A 20100930

Priority
• JP 2009228787 A 20090930
• JP 2010067113 W 20100930

Abstract (en)
In an yarn winder, a yarn is seamlessly wound without interruption. An accumulator 61 is provided with six rollers 71 that are provided on a circle and are inclined with respect to the vertical direction. As a winding arm 75 rotates around the six rollers 71, the yarn is wound onto the lower end portions of the rollers 71. As the winding arm 75 rotates in the opposite direction, the yarn Y wound on the rollers 71 is drawn out. The yarn Y wound on the rollers 71 is transported upward by five drive rollers 71a to 71e out of the six rollers 71. The remaining one adjusting roller 71f is a driven roller and is arranged so that the upper end portion thereof is inclined with respect to the vertical direction to be on a virtual circle A3 which is outside the virtual circle A1 on which the upper end portions of the other rollers 71a to 71e are positioned. With this, the circumferential length of the yarn Y wound on the rollers 71 is kept constant.

IPC 8 full level
B65H 51/22 (2006.01); **B65H 67/08** (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **B65H 67/081** (2013.01); **B65H 2701/31** (2013.01)

Cited by
EP2684826A4

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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2484618 A1 20120808; **EP 2484618 A4 20130626**; **EP 2484618 B1 20141119**; CN 102574655 A 20120711; CN 102574655 B 20140611; JP 5365697 B2 20131211; JP WO2011040542 A1 20130228; WO 2011040542 A1 20110407

DOCDB simple family (application)
EP 10820657 A 20100930; CN 201080043851 A 20100930; JP 2010067113 W 20100930; JP 2011534317 A 20100930