

Title (en)

Yarn package supply apparatus

Title (de)

Vorrichtung zur Zufuhr von Garnspulen

Title (fr)

Dispositif d'alimentation de bobines de fil

Publication

EP 1972589 A2 20080924 (EN)

Application

EP 08004413 A 20080310

Priority

JP 2007076273 A 20070323

Abstract (en)

The present invention provides a yarn package supply apparatus including a compactly configured yarn end cutting device that allows a yarn end to be reliably processed using only a small number of cutters. The yarn package supply apparatus 1 includes a parts feeder conveyor 2, a parts feeder 3 that aligns and supplies a plurality of yarn packages P dropped from the parts feeder conveyor 2, and a yarn end cutting device 4 that cuts a yarn end Q extending from each of the yarn packages dropped into the parts feeder 3 so as to straddle between the parts feeder conveyor 2 and the parts feeder 3. The yarn end cutting device 4 includes a yarn end cutting section 21 having a cutter 20 that cuts the yarn end Q, a linear guide 22 that guides the yarn end cutting section 21 along a single track R extending along a width direction of the parts feeder conveyor 2, and a rodless cylinder 23 that drives the yarn end cutting section 21 guided by the linear guide 22 so that the yarn end cutting section 21 reciprocates along the single track R (Fig. 1).

IPC 8 full level

B65H 67/06 (2006.01)

CPC (source: EP)

B65H 67/061 (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

- DE 3334873 A1 19850418 - SCHLAFHORST & CO W [DE]
- DE 3045824 A1 19820819 - SCHLAFHORST & CO W [DE]
- JP H0665370 U 19940916
- JP S57121514 A 19820729 - SCHLAFHORST CO MASCHF

Cited by

EP3461774A1; IT201700109586A1

Designated contracting state (EPC)

DE IT

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1972589 A2 20080924; **EP 1972589 A3 20091007**; **EP 1972589 B1 20111012**; CN 101270517 A 20080924; CN 101270517 B 20110831; JP 2008230830 A 20081002

DOCDB simple family (application)

EP 08004413 A 20080310; CN 200810085187 A 20080320; JP 2007076273 A 20070323