

Title (en)

Yarn guide apparatus in circular knitting machine

Title (de)

Garnführungsvorrichtung in einer Rundstrickmaschine

Title (fr)

Dispositif de guidage de fil dans une machine à tricoter circulaire

Publication

EP 2540890 A2 20130102 (EN)

Application

EP 12171242 A 20120608

Priority

JP 2011127808 A 20110608

Abstract (en)

The present invention prevents a yarn carrier from coming off a proper yarn feed position due to a large tensile force of a knitting yarn while a knitting machine operates. In a yarn guide apparatus in a circular knitting machine, a guide hole of a yarn guide is disposed facing a yarn feed port of a yarn carrier such that a distance from the guide hole to a shaft portion is substantially the same as a distance from the yarn feed port to the shaft portion, thereby providing at the yarn feed port an acting force equal to or greater than a force that acts so as to tilt the yarn carrier upward due to a knitting yarn. It is preferable that the yarn guide that surrounds a yarn carrier ring is attached together with a yarn carrier to a center portion of the shaft portion.

IPC 8 full level

D04B 15/58 (2006.01)

CPC (source: EP)

D04B 1/123 (2013.01); **D04B 15/58** (2013.01)

Citation (applicant)

- JP 2009203566 A 20090910 - PRECISION FUKUHARA WORKS LTD
- JP H02118784 U 19900925

Cited by

CN104109933A

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2540890 A2 20130102; **EP 2540890 A3 20150114**; **EP 2540890 B1 20160323**; CN 102817171 A 20121212; CN 102817171 B 20160907; JP 2012255225 A 20121227; TW 201303102 A 20130116; TW I604098 B 20171101

DOCDB simple family (application)

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