

Title (en)

Yarn feeding apparatus for circular knitting machines

Title (de)

Fadenliefervorrichtung für Rundstrickmaschinen

Title (fr)

Dispositif d'alimentation en fil pour métiers à tricoter circulaires

Publication

EP 2589691 A1 20130508 (EN)

Application

EP 11187908 A 20111104

Priority

EP 11187908 A 20111104

Abstract (en)

A yarn feeding apparatus for circular knitting machines includes a yarn feeding body (10) and a transmission shaft (20) driven by the yarn feeding body (10). The transmission shaft (20) is coupled with at least one yarn feeding wheel (40) freely rotating against the transmission shaft (20). The yarn feeding body (10) includes at least one guiding unit (30) which is drawn by a yarn (50) to turn and move reciprocally between a yarn supply position and a yarn supply stopped position. The transmission shaft (20) is coupled with at least one transmission mechanism (21) driven by the transmission shaft (20). The yarn feeding wheel (40) includes at least one wedge member (42) corresponding to the transmission mechanism (21). The wedge member (42) has a first position to separate from the transmission mechanism (21) and a second position pushed by the guiding unit (30) on a motion track to couple with the transmission mechanism (21) to drive the yarn feeding wheel (40) to rotate synchronously with the transmission shaft (20).

IPC 8 full level

D04B 15/48 (2006.01)

CPC (source: EP)

D04B 15/48 (2013.01)

Citation (applicant)

TW 326725 B

Citation (search report)

- [A] US 5388747 A 19950214 - CHEN JEN-HUI [TW]
- [A] GB 1505151 A 19780330 - INST TEXTILE DE FRANCE [FR], et al

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)

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