

Title (en)

Directly driven auxiliary yarn guide apparatus for flat knitting machines

Title (de)

Hilfsvorrichtung zur Fadenführung mit Direktantrieb für Flachstrickmaschinen

Title (fr)

Appareil guide de fil auxiliaire à commande directe pour machines à tricoter plates

Publication

EP 2557212 A1 20130213 (EN)

Application

EP 11176856 A 20110808

Priority

EP 11176856 A 20110808

Abstract (en)

A directly driven auxiliary yarn guide apparatus for a flat knitting machine which includes a chassis (10), a needle bar (11) on the chassis (10), a slide track (12) above the needle bar (11), a yarn feeder (13) slidably mounted onto the slide track (12) and a yarn delivery device (14). The auxiliary yarn guide apparatus (20) includes a motor (21) located on the chassis (10) that is coupled with a spindle (22) and a plurality of yarn guide wheels (23) mounted on the spindle (22). The motor (21) drives the spindle (22) and the yarn guide wheels (23) spinning to guide yarns via the yarn delivery device (14) to the yarn feeder (13) to be knitted through the needle bar (11). Thereby yarn guiding stability improves and quality of knitting products also is enhanced.

IPC 8 full level

D04B 15/38 (2006.01); **D04B 15/56** (2006.01)

CPC (source: EP)

D04B 15/38 (2013.01); **D04B 15/56** (2013.01); **D04B 15/96** (2013.01)

Citation (search report)

- [Y] JP 2010144301 A 20100701 - SHIMA SEIKI MFG
- [Y] US 6079234 A 20000627 - HSIUNG CHING-LUNG [TW]
- [Y] EP 1837427 A1 20070926 - SHIMA SEIKI MFG [JP]

Cited by

JP2017025421A; CN114249180A; CN109825941A; CN109652877A; CN108004666A; EP3118360A1

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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