

Title (en)

Yarn loop density adjustment apparatus for circular knitting machines

Title (de)

Vorrichtung zur Anpassung der Garnschleifendichte bei Rundstrickmaschinen

Title (fr)

Appareil de réglage de densité de boucle de fil pour machines à tricoter circulaires

Publication

EP 2034065 A1 20090311 (EN)

Application

EP 07115908 A 20070907

Priority

EP 07115908 A 20070907

Abstract (en)

A yarn loop density adjustment apparatus for circular knitting machines is installed on a circular knitting machine which has at least one needle to draw a knitting yarn. The yarn loop density adjustment apparatus includes a saddle seat (20) coupled on the circular knitting machine and a driving means (30) installed on the saddle seat (20). The saddle seat (20) has a transmission mechanism (21) driven by the driving means (30), a slider (22) driven by the transmission mechanism (21) and a cam (23) fastened to the slider (22) to guide movements of the needle. The transmission mechanism (21) has first teeth (211 a). The slider (22) has second teeth (221) corresponding to and engageable with the first teeth (211 a). When the transmission mechanism (21) is driven by the driving means (30) the slider (22) is driven to generate a moving displacement through the engaged first teeth (211a) and the second teeth (221).

IPC 8 full level

D04B 15/32 (2006.01)

CPC (source: EP)

D04B 15/327 (2013.01)

Citation (search report)

- [X] EP 1559820 A1 20050803 - PAI LUNG MACHINERY MILL CO LTD [TW]
- [X] EP 1536049 A1 20050601 - PAI LUNG MACHINERY MILL CO LTD [TW]
- [A] GB 2198753 A 19880622 - ELITEX ZAVODY TEXTILNIHO
- [A] EP 1054090 A1 20001122 - SANGIACOMO SPA [IT]
- [DA] US 5511392 A 19960430 - SAWAZAKI MASATOSHI [JP], et al

Cited by

CN102828334A; CN102828331A; CN106012268A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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