

Title (en)

High speed color altering head for single-face circular knitting machines

Title (de)

Hochgeschwindigkeits-Ringelvorrichtung für Einzylinder-Rundstrickmaschinen

Title (fr)

Dispositif pour le changement de couleurs à haute vitesse dans des métiers à tricoter circulaires fonture simple

Publication

EP 1780321 A1 20070502 (EN)

Application

EP 05110234 A 20051101

Priority

EP 05110234 A 20051101

Abstract (en)

A high speed color altering head for single-face circular knitting machines is installed on a circular knitting machine and controlled by a return cam, a needle selection device and upper and lower cams to perform colored yarns feeding operation for knitting needles to achieve colored and jacquard knitting effect. The color altering head (2) includes two outer plates (60), a plurality of yarn feeding mechanisms (20), a plurality of yarn clipping mechanisms (30), a plurality of spacers (50) and a plurality of color selection pressing plates (40). The needle selection device drives the color selection pressing plates (40) to release the corresponding yarn feeding mechanisms (20) and yarn clipping mechanisms (30) so that the upper and lower cams of the circular knitting machine can control yarn feeding and yarn clipping operations at high speed without dropping the yarns.

IPC 8 full level

D04B 15/60 (2006.01)

CPC (source: EP)

D04B 15/60 (2013.01)

Citation (search report)

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- [A] WO 0073564 A1 20001207 - MECMOR SPA [IT], et al
- [A] GB 2300002 A 19961023 - SIPRA PATENT BETEILIGUNG [DE]

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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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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