

Title (en)

Yarn feeding plate bi-directional floss blowing apparatus for circular knitting machines

Title (de)

Vorrichtung für Rundstrickmaschinen zum beidseitigen Abblasen von Flusen vom Fadenführer

Title (fr)

Dispositif de soufflage pour métiers à tricoter circulaires permettant l'aspiration bidirectionnelle de peluches d'un guide-fils

Publication

EP 2343405 A1 20110713 (EN)

Application

EP 10150580 A 20100112

Priority

EP 10150580 A 20100112

Abstract (en)

A yarn feeding plate double-sided floss blowing apparatus for circular knitting machines is installed in a circular knitting machine (10) which includes a needle cylinder (50) to hold a plurality of knitting needles (51) and yarn feeding plates (40). The floss blowing apparatus (10) comprises an air blowing unit (12). The air blowing unit (12) includes a first air blowing duct (121) and a second air blowing duct (123). The first air blowing duct (121) has one end extended above the yarn feeding plates (40) and bent towards a lower half portion of an outer side (44) of the yarn feeding plates (40) to form a first air ejection nozzle (122). The second air blowing duct (123) has one end extended close to a lower half portion of an inner side (45) of the yarn feeding plates (40) and above the knitting needles (51) to form a second air ejection nozzle (124). Thus strong airflow can blow away the floss on the yarn feeding plates (40) at the shortest distance.

IPC 8 full level

D04B 35/32 (2006.01)

CPC (source: EP)

D04B 35/32 (2013.01)

Citation (applicant)

- JP 2000239951 A 20000905 - YOO CHOL, et al
- JP 3352726 B2 20021203
- US 7017375 B1 20060328 - CHEN SHIH-LUNG [TW]

Citation (search report)

- [Y] US 7017375 B1 20060328 - CHEN SHIH-LUNG [TW]
- [Y] GB 2284827 A 19950621 - SIPRA PATENT BETEILIGUNG [DE]
- [A] JP H07316960 A 19951205 - GUNZE KK

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

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