

Title (en)

Fabric collection structure for fabric cutting apparatus

Title (de)

Stoffsammelstruktur für ein Stoffschneidgerät

Title (fr)

Structure de collecte de tissus pour appareil de découpe de tissus

Publication

EP 2312030 A1 20110420 (EN)

Application

EP 09173107 A 20091015

Priority

EP 09173107 A 20091015

Abstract (en)

There is disclosed a fabric collection structure for a fabric cutting apparatus which splits fabric (80) knitted by a knitting machine and has a driving means (10) to drive the fabric collection structure to collect the fabric (80), the structure mainly including a fabric rolling rod (20) and a fabric pressing means (30). The fabric pressing means (30) has a fabric spread rod (32) and a fabric pressing rod (33). During fabric collection process the driving means (10) drives the fabric rolling rod (20), fabric spread rod (32) and fabric pressing rod (33) to rotate. The fabric (80) split by the fabric cutting apparatus is flatly unfolded by the fabric spread rod (32) and driven by the fabric pressing rod (33) to be rolled on the fabric rolling rod (20), and is pressed by the fabric pressing rod (33) which is lifted by increasing thickness of the fabric (80) rolled on the fabric rolling rod (20) during the fabric collection process. The fabric rolling rod (20) rolls the fabric (80) at a fixed location. The fabric pressing means (30) presses the fabric (80) to control the density and a uniform fabric density is achieved. Thus fabric collection quality of the split fabric improves.

IPC 8 full level

D04B 15/88 (2006.01); **D04B 35/34** (2006.01)

CPC (source: EP)

D04B 15/88 (2013.01); **D04B 35/34** (2013.01)

Citation (applicant)

US 2009158781 A1 20090625 - SCHAUT BERNHARD [DE], et al

Citation (search report)

- [A] US 2009158781 A1 20090625 - SCHAUT BERNHARD [DE], et al
- [A] EP 1731649 A1 20061213 - PAI LUNG MACHINERY MILL CO LTD [TW]
- [A] EP 1788133 A1 20070523 - PAI LUNG MACHINERY MILL CO LTD [TW]

Cited by

CN110983610A; EP2902351A1

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)

AL BA RS

DOCDB simple family (publication)

EP 2312030 A1 20110420

DOCDB simple family (application)

EP 09173107 A 20091015