

Title (en)

Method and apparatus for lowering and folding fabric at amount same as fabric knitted and unloaded by a circular knitting machine

Title (de)

Verfahren und Vorrichtung zum Abziehen und Falten eines Stoffes in Synchronität mit der Produktion einer Rundstrickmaschine

Title (fr)

Procédé et appareil pour soutirer et plier un tissu à la même vitesse que le tissu est tricoté et déchargé par une machine à tricoter circulaire

Publication

EP 2314534 A1 20110427 (EN)

Application

EP 09173543 A 20091020

Priority

EP 09173543 A 20091020

Abstract (en)

A method and apparatus for lowering and folding fabric (60) at the same amount knitted and unloaded by a circular knitting machine delivers a fabric continuously knitted by the circular knitting machine and temporarily holds and in a buffer transient storing apparatus (50) which divides the fabric (60) into three zone fabric lengths (X1, X2, X3) and delivers later. Through the buffer transient storing apparatus (50) the three zone fabric lengths (X1, X2, X3) can complement with each other mechanically so that the fabric (60) above the reciprocal moving of the forward and reverse turning fabric folding bars (521, 522) can be maintained at a constant tension, and the fabric (60) knitted continuously by the circular knitting machine can be lowered at an equal amount and folded on a fabric loading board (23).

IPC 8 full level

B65H 45/103 (2006.01); **D04B 15/88** (2006.01)

CPC (source: EP)

D04B 15/88 (2013.01)

Citation (applicant)

- EP 1842949 A1 20071010 - PAI LUNG MACHINERY MILL CO LTD [TW]
- US 2004147384 A1 20040729 - LENK CHRISTIAN [CH]
- EP 1731649 A1 20061213 - PAI LUNG MACHINERY MILL CO LTD [TW]
- US 3791177 A 19740212 - SWANWICK B [GB], et al

Citation (search report)

- [Y] EP 1842949 A1 20071010 - PAI LUNG MACHINERY MILL CO LTD [TW]
- [XY] US 2004147384 A1 20040729 - LENK CHRISTIAN [CH]
- [Y] EP 1731649 A1 20061213 - PAI LUNG MACHINERY MILL CO LTD [TW]
- [Y] US 3791177 A 19740212 - SWANWICK B [GB], et al
- [A] DE 10021331 A1 20011115 - KRUSE KREUZHERMES URSULA [DE]

Cited by

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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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DOCDB simple family (publication)

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DOCDB simple family (application)

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