

Title (en)
YARN ARRANGING MACHINE

Title (de)
GARNANORDNUNGSMASCHINE

Title (fr)
MACHINE D'AGENCEMENT DE FILS

Publication
EP 3121316 A1 20170125 (EN)

Application
EP 15405046 A 20150720

Priority
EP 15405046 A 20150720

Abstract (en)
The invention relates to a yarn arranging machine (1) for forming a warp with a desired yarn arrangement from a plurality of yarn layers, each layer comprising a plurality of yarns extending parallel to each other lengthwise along a machining direction of the yarn arranging machine (1), said yarn arranging machine (1) comprising; an open collector comb (50) for receiving the plurality of yarns according to the desired yarn arrangement, the collector comb extending lengthwise along a transverse direction (T) across the width of the plurality of yarn layers transverse to the machining direction; a yarn releasing device (20) comprising at least one support member (22) for supporting the yarns of a respective yarn layer selected from the plurality of yarn layers, said support member (22) having a free end and being interposable between the yarns of the selected yarn layer and the collector comb (50); releasing driving means (26) configured to move the free end of the support member (22) in the transverse direction (T) relative to the selected yarn layer to free a passage for the supported yarns of the selected yarn layer toward the collector comb (50); collector driving means configured to cause a relative movement between the collector comb (50) and the selected yarn layer at least in the transverse direction (T). The invention further relates to a method for preparing a warp with a desired yarn arrangement from a plurality of separated yarn layers overlapping each other across the width of the plurality of yarn layers.

IPC 8 full level
D02H 5/02 (2006.01)

CPC (source: CN EP KR)
B65H 57/16 (2013.01 - KR); **B65H 63/00** (2013.01 - KR); **D02H 3/00** (2013.01 - CN); **D02H 5/02** (2013.01 - CN EP KR); **D02H 9/00** (2013.01 - CN); **D02H 13/08** (2013.01 - CN); **D03D 13/00** (2013.01 - KR); **D06C 23/00** (2013.01 - KR); **B65H 2553/40** (2013.01 - KR); **B65H 2701/31** (2013.01 - KR)

Citation (applicant)
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Citation (search report)
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• [A] EP 1741814 A2 20070110 - MURATA MACHINERY LTD [JP], et al
• [A] US 4438553 A 19840327 - HAMADA SHOICHI [JP]

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CN111676577A

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3121316 A1 20170125; **EP 3121316 B1 20180912**; CN 106367861 A 20170201; CN 106367861 B 20201201; ES 2703825 T3 20190312; KR 102582573 B1 20230926; KR 20170010725 A 20170201; TW 201708641 A 20170301; TW I747830 B 20211201

DOCDB simple family (application)
EP 15405046 A 20150720; CN 201610569674 A 20160719; ES 15405046 T 20150720; KR 20160091187 A 20160719; TW 105122723 A 20160719