

Title (en)

STITCH FORMING ARRANGEMENT FOR A KNITTING MACHINE OR WARP KNITTING MACHINE FOR MACHINE KNITTING

Title (de)

MASCHENBILDUNGSANORDNUNG FÜR EINE STRICK- ODER KETTENWIRKMASCHINE ZUM MASCHINELLEN MASCHENBILDEN

Title (fr)

ARRANGEMENT POUR CRÉER DES MAILLES POUR UNE MACHINE A TRICOTER OU UN METIER CHAINE DESTINE A LA FORMATION MECANIQUE DE MAILLES

Publication

EP 1649092 B1 20080806 (DE)

Application

EP 04741215 A 20040722

Priority

- EP 2004008187 W 20040722
- DE 10335464 A 20030802

Abstract (en)

[origin: WO2005017246A2] The invention relates to a knitting or warp knitting machine for machine knitting with at least one continuous thread, said machine comprising knitting elements (1, 12). The aim of the invention is to simplify said knitting elements and the control system thereof for extended design applications with high levels of performance and safety, and to increase the stability of the transfer hook with a self-cleaning effect during the insertion thereof into the notch of the needle for fine needle intricacies. To this end, said knitting elements are connected by coupling elements (6, 16) by which means the inward transversal movement of the upwardly oriented transfer hook (12) can be controlled inside the needle slot (in warp knitting machines) or beneath the evener comb during the forward movement, in such a way that after leaving the loop sinking position of the needle (1) and releasing the old knitting loop from the transfer hook (12), the knitting elements (1, 12) can be moved upstream together into the upper position thereof, such that the control end of the transfer hook (12) catches the coupling impact of the needle (1) by means of a synchronous incline in the machine lock.

IPC 8 full level

D04B 35/06 (2006.01)

CPC (source: EP KR)

D04B 35/00 (2013.01 - KR); **D04B 35/06** (2013.01 - EP KR)

Designated contracting state (EPC)

DE FR GB IT TR

DOCDB simple family (publication)

WO 2005017246 A2 20050224; WO 2005017246 A3 20050428; CN 1833062 A 20060913; CN 1833062 B 20100929; DE 10335464 A1 20050331; DE 10335464 B4 20060614; DE 502004007790 D1 20080918; EP 1649092 A2 20060426; EP 1649092 B1 20080806; JP 2007501335 A 20070125; KR 100779874 B1 20071128; KR 20060056361 A 20060524

DOCDB simple family (application)

EP 2004008187 W 20040722; CN 200480022449 A 20040722; DE 10335464 A 20030802; DE 502004007790 T 20040722; EP 04741215 A 20040722; JP 2006521480 A 20040722; KR 20067002330 A 20060202