

Title (en)

WARP TENSION CONTROL PROCESS AND LOOM WITH A WARP-TENSIONING DEVICE

Publication

EP 0350447 B1 19920325 (DE)

Application

EP 89810484 A 19890622

Priority

CH 262388 A 19880708

Abstract (en)

[origin: JPH0247337A] PURPOSE: To adjust the tension of warp to an optimum state by regulating warp tension by warp-tensioning regulating elements and freely actuating these elements for the purpose of free picks by means of at least one discrete drive assemblies. CONSTITUTION: A whip roll 21 of a warp-tensioning regulating device 20 is moved back and forth in a perpendicular direction at arbitrary required cadence by actuation of a servomotor 36. The warp tension is continuously monitored by a warp tension detector 52 connected to a control and adjustment circuit device 88 and the servomotor 36 is actuated at a proper time, by which the length of the warp may be changed to the arbitrary required length.

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D03D 49/12

IPC 8 full level

D03D 39/22 (2006.01); **D03D 49/04** (2006.01); **D03D 49/12** (2006.01); **D03D 49/14** (2006.01); **H02P 5/00** (2006.01)

CPC (source: EP US)

D03D 39/223 (2013.01 - EP US); **D03D 49/12** (2013.01 - EP US)

Cited by

EP3106554A3; US6135162A; CN102817164A; EP0533617A1; US5247968A; BE1013285A3; EP0937796A1; US6098670A; EP0812940A1; EP3222762A1; EP3530787A4; US6953067B2; US10920342B2; WO9914410A3; WO0159192A1

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