Title (en)

METHOD FOR THE ADJUSTMENT OF THE THREAD TENSION, AND GRIPPER SHUTTLE LOOM OR RAPIER LOOM

Title (de)

VERFAHREN ZUM EINSTELLEN DER FADENSPANNUNG, UND PROJEKTIL- ODER GREIFERWEBMASCHINE

Title (fr)

PROCEDE DE REGLAGE DE LA TENSION D'UN FIL ET MACHINE A TISSER A PROJECTILE OU A PINCES

Publication

EP 1675986 B1 20091209 (DE)

Application

EP 04790495 A 20041015

Priority

• EP 2004011656 W 20041015
• DE 10348872 A 20031021

Abstract (en)

[origin: WO2005040470A1] Disclosed is a method for adjusting the thread-tensioning conditions at least during the starting phase of an electronically controlled gripper shuttle loom or rapier loom (L) by inputting into the control unit a characteristic which is associated at least with the thread quality that is to be processed and using said characteristic for controlling the brake. According to the inventive method, several expert results (K1 to K5) of at least brake actuation characteristics (A1 to A5), which provide optimal thread-tensioning conditions at least during preliminary tests with different thread qualities, are determined during said preliminary tests and are encoded differently for the different thread qualities. An expert result which matches the thread quality that is to be processed is selected for at least one brake actuation characteristic (A1 to A5) and is input into a programmed electronic expert system (E) of the loom (L), and said brake actuation characteristic is adjusted and used at least during the starting phase for controlling the brake.

IPC 8 full level

D03D 47/34 (2006.01)

CPC (source: EP)

D03D 47/34 (2013.01)

Designated contracting state (EPC)

BE CH DE IT LI TR

DOCDB simple family (publication)

WO 2005040470 A1 20050506; CN 1871385 A 20061129; CN 1871385 B 20100707; DE 10348872 A1 20050525; DE 502004010497 D1 20100121; EP 1675986 A1 20060705; EP 1675986 B1 20091209

DOCDB simple family (application)

EP 2004011656 W 20041015; CN 200480031232 A 20041015; DE 10348872 A 20031021; DE 502004010497 T 20041015; EP 04790495 A 20041015