

Title (en)

GRIPPER AND WEFT INSERTION DEVICE FOR A RAPIER LOOM

Title (de)

GREIFER UND SCHUSSEINTRAGVORRICHTUNG FÜR EINE GREIFERWEBMASCHINE

Title (fr)

PINCE ET DISPOSITIF D'INSERTION DE DRITE DESTINE A UNE MACHINE A TISSER A PINCE

Publication

EP 1082478 B1 20040714 (DE)

Application

EP 99906007 A 19990308

Priority

- CH 9900104 W 19990308
- DE 29808997 U 19980518

Abstract (en)

[origin: CA2328936A1] The gripper comprises a housing (1), an actuator (2), a thread clamp (3) and a connecting section (11) for a gripper band. The actuator can be operated electrically and controlled via induction coils (71) in such a way that the clamping force and the clamping cycle of the thread clamp are adjusted in accordance with the physical and/or textile data of the weft to be inserted.

[origin: CA2328936A1] The gripper comprises a housing (1), an actuator (2), a thread clamp (3) and a connecting section (11) for a gripper band. The actuator can be operated electrically and controlled via induction coils (71) in such a way that the clamping force and the clamping cycle of the thread clamp are adjusted in accordance with the physical and/or textile data of the weft to be inserted.

IPC 1-7

D03D 47/23

IPC 8 full level

D03J 5/06 (2006.01); **D03D 47/12** (2006.01); **D03D 47/18** (2006.01); **D03D 47/20** (2006.01); **D03D 47/23** (2006.01)

CPC (source: EP KR US)

D03D 47/20 (2013.01 - EP US); **D03D 47/23** (2013.01 - KR)

Cited by

EP3916140A1; US11795589B2

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

DE 29808997 U1 19980730; AU 2606999 A 19991206; BR 9910541 A 20010130; BR 9910541 B1 20090113; CA 2328936 A1 19991125; CA 2328936 C 20061121; CN 1193122 C 20050316; CN 1301315 A 20010627; DE 59909965 D1 20040819; EP 1082478 A1 20010314; EP 1082478 B1 20040714; ES 2224605 T3 20050301; HK 1035216 A1 20011116; JP 2002515553 A 20020528; JP 2007113171 A 20070510; KR 100592469 B1 20060622; KR 20010043680 A 20010525; RU 2208073 C2 20030710; TR 200003401 T2 20010321; US 6305434 B1 20011023; WO 9960193 A1 19991125

DOCDB simple family (application)

DE 29808997 U 19980518; AU 2606999 A 19990308; BR 9910541 A 19990308; CA 2328936 A 19990308; CH 9900104 W 19990308; CN 99806342 A 19990308; DE 59909965 T 19990308; EP 99906007 A 19990308; ES 99906007 T 19990308; HK 01105624 A 20010813; JP 2000549792 A 19990308; JP 2006329992 A 20061206; KR 20007012886 A 20001116; RU 2000131693 A 19990308; TR 200003401 T 19990308; US 70080500 A 20001120