

Title (en)

Method and device for opening or closing a grip clamp of a gripper of a loom

Title (de)

Verfahren und Vorrichtung zum Öffnen oder Schliessen einer Greiferklemme eines Greifers einer Webmaschine

Title (fr)

Procédé et dispositif d'ouverture ou de fermeture d'une griffe d'un métier à tisser

Publication

**EP 1956124 A1 20080813 (DE)**

Application

**EP 08005257 A 20020625**

Priority

- EP 02758268 A 20020625
- DE 10134504 A 20010705

Abstract (en)

Under normal running, the gripper clip (20) is opened by the movement of the end of the lever (21) over the cam (24), the timing being altered by adjusting the position of the cam in the direction (B) by means of a drive (28, 29). During slow running of the loom, the lever (21) is moved by displacing the cam (24) at right angles in the direction (C) by means of a drive (30). Opening of the clip (20) is then under the control of a sensor for the position of the gripper (3) acting on the drive (30). An independent claim is also included for an arrangement for opening the gripper clip (20), including electrical drives (26, 30) and sensors to indicate the position of the grippers. During slow running of the loom the cam (24) is moved towards the lever (21) to open the clip (20) at a predetermined position of the gripper. Preferred Features: Separate electric motors and cranks (28, 29, 32, 33) are provided for the two motions in the directions (B) and (C).

Abstract (de)

Zum Öffnen einer Greiferklemme (20) eines Greifers (3) einer Webmaschine wird ein Anschlageteil (24) vorgesehen, das einem Anschlagteil (21) der Greiferklemme zugeordnet ist und das während des Langsamlaufs der Webmaschine zum Öffnen der Greiferklemme in Querrichtung in die Bewegungsbahn des Anschlagteils (21) der Greiferklemme gebracht wird, während diese sich bereits im Bereich des Anschlagelementes (24) befindet.

IPC 8 full level

**D03D 47/20** (2006.01); **D03D 47/23** (2006.01)

CPC (source: EP US)

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

Citation (applicant)

- WO 9740218 A1 19971030 - PICANOL NV [BE], et al
- EP 1054088 A1 20001122 - DORNIER GMBH LINDAUER [DE]

Citation (search report)

- [A] EP 1054088 A1 20001122 - DORNIER GMBH LINDAUER [DE]
- [A] US 4949762 A 19900821 - SPEICH FRANCISCO [CH], et al
- [AD] WO 9740218 A1 19971030 - PICANOL NV [BE], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 03004746 A1 20030116**; AT E393250 T1 20080515; AT E485412 T1 20101115; CN 1630748 A 20050622; CN 1630748 B 20110706; DE 10134504 A1 20030116; DE 50212152 D1 20080605; DE 50214728 D1 20101202; EP 1402096 A1 20040331; EP 1402096 B1 20080423; EP 1956124 A1 20080813; EP 1956124 B1 20101020; US 2004154686 A1 20040812; US 7044174 B2 20060516

DOCDB simple family (application)

**EP 0206998 W 20020625**; AT 02758268 T 20020625; AT 08005257 T 20020625; CN 02813504 A 20020625; DE 10134504 A 20010705; DE 50212152 T 20020625; DE 50214728 T 20020625; EP 02758268 A 20020625; EP 08005257 A 20020625; US 48141603 A 20031230