

Title (en)

HEALD FRAME FOR WEAVING LOOMS, COMPRISING A BRAKING DEVICE OF THE HEALD MOVEMENT BY INERTIA DURING THE MOTION REVERSAL PHASES OF THE HEALD FRAMES

Title (de)

SCHAFTRAHMEN FÜR WEBMASCHINEN MIT EINER BREMSVORRICHTUNG DER SCHAFTBEWEGUNG DURCH TRÄGHEIT WÄHREND DER BEWEGUNGSUMKEHRPHASEN DER SCHAFTTRAHMEN

Title (fr)

CADRE DE LISSES POUR MÉTIERS À TISSER, COMPRENANT UN DISPOSITIF DE FREINAGE DU MOUVEMENT DE LA LISSE PAR INERTIE PENDANT LES PHASES D'INVERSION DU MOUVEMENT DES CADRES DE LISSES

Publication

**EP 3754065 A1 20201223 (EN)**

Application

**EP 20179138 A 20200610**

Priority

IT 201900009114 A 20190617

Abstract (en)

Heald frame for weaving looms comprising two sidepieces (F) and two crossbars (H) mutually fixed at right angles by coupling joints, each crossbar (H) consisting of a metal extruded profile which comprises an appendix (C), at the longitudinal inner edge of the crossbar (H), to which a heald-bearing plate (S) is fixed, the hooked ends of a plurality of healds (L) being hooked with a play (G) to said heald-bearing plate (S). The heald frame further comprises a braking device of the heald (L) free movement by inertia allowed by said play (G), said braking device consisting of a deformable profile (1) fixed to the longitudinal inner edge of each of said crossbars (H) in such a position as to interfere with said free movement of the healds (L) and having a predetermined stiffness in order to allow a deformation of the deformable profile (1), upon contacting the ends of the moving healds (L). Said predetermined stiffness is low enough to allow said free movement of the healds (L) up to the limit stop contact of the healds (L) against one of said heald-bearing plates (S), and at the same time is high enough to lower the speed of said free movement of the healds (L).

IPC 8 full level

**D03C 9/06** (2006.01)

CPC (source: CN EP)

**D03C 9/0608** (2013.01 - CN); **D03C 9/0691** (2013.01 - EP)

Citation (applicant)

- EP 1240371 A1 20020918 - PICANOL NV [BE]
- US 2003150506 A1 20030814 - BAUMANN HANS [CH], et al
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- EP 1639165 A1 20060329 - GROZ BECKERT KG [DE]
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- EP 1769111 A1 20070404 - PICANOL NV [BE], et al
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Citation (search report)

- [A] EP 3406772 A1 20181128 - GROZ BECKERT KG [DE]
- [AD] US 2003150506 A1 20030814 - BAUMANN HANS [CH], et al
- [AD] DE 102004035996 A1 20060202 - PICANOL NV [BE], et al

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DOCDB simple family (application)

**EP 20179138 A 20200610**; CN 202010553113 A 20200617; CN 202021128603 U 20200617; IT 201900009114 A 20190617; JP 2020002287 U 20200612; JP 2020102315 A 20200612; TR 202009293 U 20200616