

Title (en)
METAL HEALD FRAME AND HEALD SHAFT FOR A LOOM

Title (de)
SCHAFTRAHMEN UND WEBSCHAFT FÜR WEBMASCHINEN

Title (fr)
CADRE A LISSES ET LAME POUR METIER A TISSER

Publication
EP 1576218 B1 20090506 (DE)

Application
EP 03789190 A 20031210

Priority
• DE 10260075 A 20021219
• EP 0313972 W 20031210

Abstract (en)
[origin: WO2004057077A1] A heald shaft (1), comprising healds (3) which are mounted with zero or little backlash, is provided with at least one heald carrying rod (7) which is moveably mounted for elastically tightening the healds (3) as a whole or which is provided with at least one moveably mounted part (55). A spring means (16,56) is used to apply a tightening force to the head (5) of each heald (3) for zero-backlash mounting thereof. This enables a loom provided with one such heald shaft to operate at a high speed without the healds becoming woven into the heald carrying rods or excessive noise being produced.

IPC 8 full level
D03C 9/06 (2006.01)

CPC (source: EP US)
D03C 9/0633 (2013.01 - EP US); **D03C 9/0691** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR IT

DOCDB simple family (publication)
WO 2004057077 A1 20040708; AU 2003293813 A1 20040714; CN 100585040 C 20100127; CN 1729328 A 20060201;
DE 10260075 A1 20040902; DE 10260075 B4 20070201; DE 50311503 D1 20090618; EP 1576218 A1 20050921; EP 1576218 B1 20090506;
JP 2006510815 A 20060330; US 2006048836 A1 20060309; US 8146621 B2 20120403

DOCDB simple family (application)
EP 0313972 W 20031210; AU 2003293813 A 20031210; CN 200380106853 A 20031210; DE 10260075 A 20021219; DE 50311503 T 20031210;
EP 03789190 A 20031210; JP 2004561255 A 20031210; US 53929305 A 20050616