

Title (en)
HEALD SHAFT FOR A WEAVING MACHINE

Title (de)
WEBSCHAFT FÜR EINE WEBMASCHINE

Title (fr)
LAME DE METIER MECANIQUE

Publication
EP 1620586 A1 20060201 (DE)

Application
EP 04730237 A 20040429

Priority
• EP 2004004546 W 20040429
• DE 10319959 A 20030502

Abstract (en)
[origin: WO2004097090A1] Holding devices are provided for detachable fastening heald carrying bars (8) on heald staves (2) of a shaft (1) of a weaving machine. These holding devices consist of, for example, two metal sheets of which one part forms an adhering surface for joining to the heald stave (2). The remaining part serves to accommodate metallic reinforcing strips (rib (31, 32)) that can be riveted or welded to the metal sheet. These reinforcing strips serve to accommodate fastening elements for a plate and to position this plate. The positioning is realized in a positive manner. The metal sheets are preferably tightened against the plate by means of screws in order to positively fix them in the designated position. Alternatively, rivets can be also be used that can be removed, as required, by means of simple tools, for example, by pressing them out. The reinforcing strips are designed and fixed to the metal sheets in such a manner that the reinforcement simultaneously serves to precisely position the plate (22) in order to positively prevent a vertical displacement of the plate during the operation of the heald shaft.

IPC 1-7
D03C 9/06

IPC 8 full level
D03C 9/06 (2006.01)

CPC (source: EP US)
D03C 9/0625 (2013.01 - EP US); **D03C 9/0633** (2013.01 - EP US); **D03C 9/0691** (2013.01 - EP US)

Citation (search report)
See references of WO 2004097090A1

Designated contracting state (EPC)
BE DE FR IT

DOCDB simple family (publication)
WO 2004097090 A1 20041111; CN 1816654 A 20060809; CN 1816654 B 20110518; DE 10319959 A1 20041125; DE 10319959 A8 20050310; DE 10319959 B4 20070201; EP 1620586 A1 20060201; EP 1620586 B1 20120215; JP 2006525439 A 20061109; JP 4257362 B2 20090422; US 2006249218 A1 20061109; US 7500496 B2 20090310

DOCDB simple family (application)
EP 2004004546 W 20040429; CN 200480019060 A 20040429; DE 10319959 A 20030502; EP 04730237 A 20040429; JP 2006505325 A 20040429; US 55510805 A 20051102