Title (en)
  LOOM

Title (de)
  WEBMASCHINE

Title (fr)
  METIER

Publication
  EP 1631712 A1 20060308 (DE)

Application
  EP 04735865 A 20040603

Priority
  • CH 2004000337 W 20040603
  • CH 10272003 A 20030612

Abstract (en)
  [origin: US7320343B2] The invention relates to a loom comprising a warp thread tensioning device and a shedding device (12), which comprises pre-tensioned warp threads (4) in a first shedding position (F_1). The loom also comprises a lifting device (38), which can be driven in an oscillating manner, and followers (40) for the warp threads (4), in addition to control means (46) that can be operated by actuators (44) in order to selectively engage the warp threads (4) in the followers (40) and that displace the warp threads (4) into a second shedding position (F_3). To simplify said loom, a second lifting device (48), which is common to all warp threads (4), is provided in order to displace said warp threads (4) from the first shedding position (F_1) into a selection position (F_2), in which the first lifting device (38) is active, and in order to displace non-selected warp threads in unison into the first shedding position (F_1) by the pre-tensioning of said warp threads (4).

IPC 1-7
  D03C 3/10; D03C 13/00; D03D 49/14; D03D 49/04; D03D 51/30

IPC 8 full level
  D03C 3/10 (2006.01); **D03C 13/00** (2006.01); **D03D 49/04** (2006.01); **D03D 49/14** (2006.01); **D03D 51/30** (2006.01)

CPC (source: EP KR US)
  D03C 3/10 (2013.01 - EP KR US); **D03C 13/00** (2013.01 - EP US); **D03D 49/04** (2013.01 - EP US); **D03D 49/14** (2013.01 - EP KR US); **D03D 51/30** (2013.01 - EP KR US)

Cited by
  CN102936791A

Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
  WO 2004111321 A1 20041223; AT E389740 T1 20080415; BR PI0411345 A 20060711; CN 1806072 A 20060719; CN 1806072 B 20101110; DE 502004006588 D1 20080430; EP 1631712 A1 20060308; EP 1631712 B1 20080319; ES 2299836 T3 20080601; HK 1089487 A1 20061201; JP 2006527312 A 20061130; JP 4276676 B2 20090610; KR 100760441 B1 20071004; KR 20060018251 A 20060228; TW 200510588 A 20050316; TW I303679 B 20081201; US 2006169345 A1 20060803; US 7320343 B2 20080122

DOCDB simple family (application)
  CH 2004000337 W 20040603; AT 04735865 T 20040603; BR PI0411345 A 20040603; CN 200480016394 A 20040603; DE 502004006588 T 20040603; EP 04735865 A 20040603; ES 04735865 T 20040603; HK 06109814 A 20060904; JP 2006515621 A 20040603; KR 20057023587 A 20051209; TW 93115192 A 20040528; US 55994805 A 20051208