

Title (en)  
SHEDDING APPARATUS FOR A WEAVING MACHINE, IN PARTICULAR FOR A RIBBON WEAVING MACHINE

Title (de)  
FACHBILDEVORRICHTUNG FÜR EINE WEBMASCHINE, INSBESONDERE FÜR EINE BANDWEBMASCHINE

Title (fr)  
DISPOSITIF DE FORMATION DE LA FOULE POUR UN MÉTIER À TISSER MÉCANIQUE, EN PARTICULIER UN MÉTIER À TISSER LES RUBANS

Publication  
**EP 2069564 A1 20090617 (DE)**

Application  
**EP 07800666 A 20070927**

Priority  
• CH 2007000475 W 20070927  
• CH 15502006 A 20060928

Abstract (en)  
[origin: WO2008037106A1] In order to make a small space requirement, a low energy requirement and therefore an increased weaving frequency possible in a shedding apparatus, a spring drive (14, 16) is proposed which is connected to magnetically acting holding means (24, 26, 30, 32; 36, 38, 130, 132). The holding means (24, 26, 30, 32; 36, 38, 130, 132) are capable of holding the heddle frame (4) in an upper shed position and in a lower shed position counter to the spring force. Furthermore, the heddle frame (4) is connected to a linear motor (12). A heddle movement can be initiated by said linear motor (12). According to the invention, the spring drive (14, 16) is configured as a tension/compression spring which is designed in such a way that, during operation of the heddle frame at the resonant frequency of the spring drive (14, 16), the greater part of the kinetic energy can be obtained from the spring drive (14, 16).

IPC 8 full level  
**D03C 13/00** (2006.01); **D03C 1/00** (2006.01); **D03C 5/00** (2006.01)

CPC (source: EP KR US)  
**D03C 1/00** (2013.01 - EP KR US); **D03C 5/00** (2013.01 - EP KR US); **D03C 13/00** (2013.01 - EP KR US); **D03C 13/025** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008037106A1

Cited by  
EP3926649A1; IT202000014749A1

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008037106 A1 20080403**; BR PI0717094 A2 20131126; CN 101522971 A 20090902; CN 101522971 B 20110209; EP 2069564 A1 20090617; EP 2069564 B1 20160511; ES 2582499 T3 20160913; HK 1131644 A1 20100129; JP 2010505046 A 20100218; JP 5113175 B2 20130109; KR 101412371 B1 20140625; KR 20090057080 A 20090603; US 2009277529 A1 20091112; US 7806149 B2 20101005

DOCDB simple family (application)  
**CH 2007000475 W 20070927**; BR PI0717094 A 20070927; CN 200780036533 A 20070927; EP 07800666 A 20070927; ES 07800666 T 20070927; HK 09110687 A 20091116; JP 2009529486 A 20070927; KR 20097006509 A 20070927; US 31138907 A 20070927