

Title (en)  
Shaft drive for a loom

Title (de)  
Schaftantrieb für eine Webmaschine

Title (fr)  
Système d'entraînement de lames pour métier à tisser

Publication  
**EP 1798320 A3 20080730 (DE)**

Application  
**EP 06023500 A 20061111**

Priority  
DE 102005059911 A 20051215

Abstract (en)  
[origin: DE102005059911B3] The drive unit (2) includes a shaft with an output (6) driving the heddle frame (1) of the loom. The drive includes non-circular gearing, of which the velocity ratio varies. The shaft is connected to a flywheel, to even out rotation and compensate load fluctuations. The output (6) is a swinging lever driven by an eccentric. The eccentric is driven exclusively or predominantly in a given direction of rotation.

IPC 8 full level  
**D03C 13/00** (2006.01); **D03C 1/00** (2006.01); **D03D 51/16** (2006.01)

CPC (source: EP US)  
**D03C 1/146** (2013.01 - EP US); **D03C 1/148** (2013.01 - EP US); **D03C 13/00** (2013.01 - EP US); **D03D 51/16** (2013.01 - EP US)

Citation (search report)

- [X] US 2089069 A 19370803 - OOTHOUT WILLIAM J
- [X] US 1651120 A 19271129 - PAUL HERING
- [X] US 1923048 A 19330815 - BENTLEY JOHN G, et al
- [X] US 495453 A 18930411
- [X] US 770495 A 19040920
- [A] US 2469200 A 19490503 - PAUL MATWEEFF
- [DA] DE 10343377 B3 20050428 - GROZ BECKERT KG [DE]
- [DA] DE 19538018 A1 19960718 - STAEUBLI GMBH [DE]

Cited by  
CN109402827A

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
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**DE 102005059911 A 20051215**; DE 502006009243 T 20061111; EP 06023500 A 20061111; JP 2006338241 A 20061215; US 63919906 A 20061215