

Title (en)

Shuttle picking mechanism for a loom.

Title (de)

Projektilbeschleunigungsvorrichtung einer Webmaschine.

Title (fr)

Dispositif d'entraînement de la navette d'un métier à tisser.

Publication

EP 0418195 A1 19910320 (DE)

Application

EP 90810657 A 19900830

Priority

CH 336489 A 19890915

Abstract (en)

[origin: US5063972A] A projectile accelerator has a coupling transmission articulated between a cam follower lever and a picking lever which has two end positions. The projectile accelerator also has an eccentric rocker on the drive shaft which cooperates with a tensioning lug on the accelerating shaft in order to carry out a return motion of the picking lever without need for a large angular movement of the cam follower lever. The picking lever is able to traverse large angles of movement while the cam following lever traverses reduced angles of movement.

Abstract (de)

Die Projektilbeschleunigungsvorrichtung weist ein an einen Rollenhebel (32) angelenktes Koppelgetriebe (8) mit zwei Knicklagen (8a, 8c) und ein von der Antriebswelle angetriebenes Spannorgan (13) auf. Das Spannorgan spannt das Koppelgetriebe über seine Strecklage (8b) hinaus. Damit werden grosse Bewegungswinkel des Schlaghebels (W1, W2) bei stark reduzierten Bewegungen des Rollenhebels (W3, W4) erreicht.

IPC 1-7

D03D 49/32

IPC 8 full level

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CPC (source: EP US)

D03D 47/24 (2013.01 - EP US); **D03D 49/32** (2013.01 - EP US); **Y10T 74/18288** (2015.01 - EP US)

Citation (search report)

- [XD] CH 313155 A 19560331 - SULZER AG [CH]
- [A] DE 678468 C 19390715 - TEFAG TEXTIL FINANZ AG
- [A] CH 332768 A 19580930 - SULZER AG [CH]
- [A] CH 636656 A5 19830615 - SULZER AG [CH]

Cited by

EP1777329A1; EP0908547A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 0418195 A1 19910320; **EP 0418195 B1 19930929**; CN 1022938 C 19931201; CN 1050234 A 19910327; DE 59002911 D1 19931104; RU 1814671 C 19930507; US 5063972 A 19911112

DOCDB simple family (application)

EP 90810657 A 19900830; CN 90107823 A 19900914; DE 59002911 T 19900830; SU 4831078 A 19900914; US 57347090 A 19900827