

Title (en)

Drive for shuttleless looms which have weft carrier grippers moving back and forth

Title (de)

Getriebe für schützenlose Webmaschinen mit abwechselnd ins Webfach vor- und zurückschiebbaren Schussfadeneintragorganen

Title (fr)

Transmission pour les métiers à tisser sans navette comprenant des griffes qui se déplacent en avant et en arrière

Publication

EP 0565885 B1 19961113 (DE)

Application

EP 93104309 A 19930317

Priority

DE 4212536 A 19920415

Abstract (en)

[origin: JPH0610235A] PURPOSE: To reduce the wear and tear on a driving element and driven ones by distributing drive forces conventionally transmitted to a gripper rod with only one driving pinion over two driving pinions simultaneously meshing with the gripper rod. CONSTITUTION: This gear drive has plate cams 9, 10 continuously rotating on a driving side which cause an oscillating back and forth movement of a sector wheel 17. Pinions 4,5 meshing with the sector wheel are installed together with a continuous transmission train on a driving side of a transmission train changing its rotational direction. The first and second output drive shafts 6, 7 are installed on an output side and are equipped with driving pinions for a weft threading mechanism.

IPC 1-7

D03D 1/00; **D03D 47/12**

IPC 8 full level

D03D 47/00 (2006.01); **D03D 1/00** (2006.01); **D03D 47/12** (2006.01); **D03D 47/27** (2006.01); **D03D 51/02** (2006.01)

CPC (source: EP US)

D03D 47/273 (2013.01 - EP US); **D03D 47/275** (2013.01 - EP US); **Y10T 74/18272** (2015.01 - EP US); **Y10T 74/1828** (2015.01 - EP US); **Y10T 74/19093** (2015.01 - EP US); **Y10T 74/19674** (2015.01 - EP US)

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