

Title (en)  
Transmission for looms

Title (de)  
Webmaschinengetriebe

Title (fr)  
Transmission pour métiers à tisser

Publication  
**EP 1184497 B1 20060517 (DE)**

Application  
**EP 01810748 A 20010730**

Priority  
• EP 01810748 A 20010730  
• EP 00810765 A 20000828

Abstract (en)  
[origin: EP1184497A1] The drive (1) at a loom, to control the stroke movements of the sley shaft (8), has a roller lever (4) which swings on the same axis (A) as the shaft to rotate against each other. The roller lever is connected to the sley shaft through a linkage (6), with a setting mechanism (13) to adjust its length. The drive to control the stroke of a loom sley shaft has a linkage connection between the roller lever and the shaft, with two arms (6a, 6b) which swing against each other at a pivot point (6e). The first arm is attached to the sley shaft at a third pivot point (6g) and the second arm is linked to the roller lever through a fourth pivot point (6h). The setting mechanism gives a length adjustment to the linkage by altering the angle between the two arms, acting directly on the first pivot point. The two linkage arms are matched on their swing mountings so that they can take up a position where all the pivot points lie on a straight and common line. The third and fourth pivot points can move on a circular path, concentric to the common axis, and the pivot points lie on a common straight line at least at one change point of the sley shaft movements. The linkage assembly has a third and fourth arm (6c, 6d), which swing on a second pivot point (6f). The setting mechanism acts directly on the second pivot point so that the third arm swings at the first pivot point and the fourth arm swings on a fixed bearing mounting (10a). The setting mechanism has a moving connecting link (13c) which swings at the second pivot point. The setting mechanism has a reduction unit (13b) which rotates around a shaft (13a), and meshes with a screw gear (13d). The connecting link is connected to the reduction unit at an eccentric point from its shaft.

IPC 8 full level  
**D03D 39/22** (2006.01); **D03D 49/60** (2006.01)

CPC (source: EP)  
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