

Title (en)  
Weaving loom.

Title (de)  
Webmaschine.

Title (fr)  
Métier à tisser.

Publication  
**EP 0521244 B1 19950712 (DE)**

Application  
**EP 92105253 A 19920327**

Priority  
DE 4122249 A 19910705

Abstract (en)  
[origin: JPH05179539A] PURPOSE: To enhance the accuracy of a sley drive and to improve the productivity of a loom by disposing a program-controlled servo motor at sley drive assemblies and interposing a self-locking transmission between the servo motor and a sley. CONSTITUTION: The servo motor 22, such as the program-controlled electric servo motor or a hydraulically driven servo motor having an axial piston pump, is disposed at the sley device disposed with the drive assemblies at both ends of the sley 5 of the loom for wire cloth. The self-locking transmission composed of can mechanisms or worm gear machines 18 and 20 is interposed between the servo motor 22 and the sley 5 to transmit the drive torque of the servo motor 22 via a clutch 21 to a crank shaft 2. The motion of the sley 5 is monitored by a sensor 26 constituted as an absolute value converter and a controller synchronizes both drive assemblies of the sley in accordance with the signal thereof, thereby overcoming the mechanical threshold of the conventional speed control and making the speed higher.

IPC 1-7  
**D03D 49/60**

IPC 8 full level  
**D03D 47/39** (2006.01); **D03D 49/60** (2006.01); **D03D 51/00** (2006.01)

CPC (source: EP US)  
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DE FR GB SE

DOCDB simple family (publication)  
**DE 4122249 C1 19920924**; DE 59202856 D1 19950817; EP 0521244 A1 19930107; EP 0521244 B1 19950712; JP H05179539 A 19930720; US 5285820 A 19940215

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**DE 4122249 A 19910705**; DE 59202856 T 19920327; EP 92105253 A 19920327; JP 16320492 A 19920623; US 90124692 A 19920619