

Title (en)

Loom having linear motor-driven shedding motion mechanism

Title (de)

Webmaschine mit linearmotorgetriebener Fachbildungsvorrichtung

Title (fr)

Métier à tisser avec dispositif de formation de la foule entraîné par moteur linéaire

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Application

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Priority

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- JP 11801597 A 19970508

Abstract (en)

One shedding motion mechanism comprises a guide frame (5,12), a heald frame (2,11) and linear motors (1,16). A loom is composed of a plurality of such shedding motion mechanisms, which are arrayed in series. The narrower the pitch between adjacent heald frames (2,11) is, the better it is taking into consideration the magnitude of the vertical movement of the heald frames (2,11) located further from the front of the loom. However, since the linear motors (1,16) have to possess sufficient propulsive force to drive the heald frames (2,11), such miniaturization has its limits. Thus, the mounting positions of the linear motors (1,16) of adjacent shedding motion mechanisms are shifted so that the linear motors (1,16) may not interfere with each other. According to an embodiment of this invention, this can be implemented by vertically shifting the positions of the shedding motion mechanisms with respect to each other. Or the positions of the linear motors (1,16) can be prevented from overlapping by using heald frame (2,11) with different horizontal lengths. <IMAGE>

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