Title (en)

REED DRIVE OF A LOOM

Title (de)

WEBBLATT-ANTRIEB EINER WEBMASCHINE

Title (fr)

COMMANDE DE PEIGNE D'UN METIER

Publication

EP 1799898 A1 20070627 (DE)

Application

EP 05784462 A 20050826

Priority

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Abstract (en)

[origin: WO2006032233A1] A reed drive of a loom comprises a reed shaft (3) connected to the reed (1). A conversion gearing (7, 8) each having a respective input element (11, 12) and a respective output element (13, 14) is located at the ends of the reed shaft (3). The input elements (11, 12) are coupled to the driven shafts (23, 24) of electromotive rotary drives (19, 20) for effecting a common rotational motion of the same rotational speed. The conversion gearings (7, 8), alone, serve to convert the rotating motion of their input elements into a motion of the output elements (13, 14) whose direction of rotation can be reversed. To this end, the output elements (13, 14) are coupled to the reed shaft (3) in a rotationally fixed manner. As a result, a motion cycle of an input element (11, 12) corresponds to the motion of the reed (1) from one reed stop to the next reed stop so that the number of complete rotations of an input element (11, 12) is equal to the number of complete motion cycles that the reed shaft (3) executes in the same unit of time.

IPC 8 full level

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