

Title (en)

DRIVE DEVICE FOR PRODUCING A TO-AND-FRO MOTION OF A DRIVEN PART, PARTICULARLY IN WEAVING MACHINES

Title (de)

ANTRIEBSVORRICHTUNG ZUR ERZEUGUNG EINER HIN- UND HERGEHENDEN BEWEGUNG EINES ANGETRIEBENEN BAUTEILS, INSBESONDERE IN WEBMASCHINEN

Title (fr)

DISPOSITIF D'ENTRAINEMENT GENERANT UN MOUVEMENT DE VA-ET-VIENT D'UN COMPOSANT ENTRAINE, EN PARTICULIER DANS UNE MACHINE A TISSER

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Application

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Priority

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Abstract (en)

[origin: WO2005010257A1] The aim of the invention is to provide a drive device for producing a to-and-fro motion of driven part, particularly in weaving machines, which is characterized by having a high degree of efficiency and good dynamic properties with regard to the respective and, optionally, even changing operating conditions. To this end, the drive device comprises: a drive source (2), which is coupled to a part (50) and which produces the to-and-fro motion; an energy accumulator (22), which is assigned to the part and/or to the drive source and which is provided for accumulating potential energy during at least one portion of the to-and-fro motion of the part, and; a control device (20) for controlling at least the energy accumulator and/or the drive source according to measured and/or predetermined parameters for the course of motion of the part.

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