

Title (en)

DEVICE FOR SAVING ENERGY DURING VERTICAL AND HORIZONTAL MOTIONS

Title (de)

VORRICHTUNG ZUM STROMSPAREN WÄHREND VERTIKALER UND HORIZONTALER BEWEGUNGEN

Title (fr)

DISPOSITIF POUR ÉCONOMISER DE L'ÉNERGIE PENDANT DES MOUVEMENTS VERTICAUX ET HORIZONTAUX

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Application

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Abstract (en)

[origin: WO2012143765A1] The present invention relates to a mechanical device for reducing the energy absorbed by an electric motor of a handling plant. The device according to the invention comprises at least one first rotating member moved by the motor of the handling plant. The device also comprises a second rotating member connected to the first member through first transmission means. At least one third rotating member is connected to the second rotating member through second transmission means, which develop a transmission ratio equal to unity. The device further comprises a fourth rotating member operatively connected to the rotor of the electric motor. The fourth rotating member and the third rotating member are connected through third transmission means, which develop a transmission ratio equal to unity. The device comprises a sixth rotating member connected to a fifth rotating member through fifth transmission means which develop a transmission ratio equal to unity. The sixth rotating member and the first rotating member are connected through sixth transmission means which developed a transmission ratio equal to unity.

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