

Title (en)

TRANSMISSION SWITCHING DEVICE OF ELECTRIC HAMMER

Title (de)

ÜBERTRAGUNGSSCHALTVORRICHTUNG EINES ELEKTRISCHEN HAMMERS

Title (fr)

DISPOSITIF DE COMMUTATION DE TRANSMISSION DE MARTEAU ÉLECTRIQUE

Publication

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Application

EP 13840136 A 20131017

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- CN 2013085366 W 20131017

Abstract (en)

[origin: EP2767367A1] The present invention discloses a transmission switching device for electric hammers, comprising an intermediate shaft provided thereon with an intermediate shaft gear, a transmission gear, pendulum bar bearings, and an intermediate shaft sleeve. The transmission gear extends outward to form a connection portion sleeved on one end of the intermediate shaft sleeve. The pendulum bar bearings are sleeved on the connection portion and the intermediate shaft sleeve, respectively. Keyway fitting structures are provided between the other end of the intermediate shaft sleeve and the intermediate shaft, the connection portion and the pendulum bar bearings. On the outer peripheral side of the intermediate shaft sleeve, provided is a displacement bearing, the inner ring of which is the intermediate shaft sleeve while the outer ring of which is provided with a groove inside which a gearshift is connected. The present invention has the following advantages: the transmission mechanism and the gearshift are relatively still, so that there is no friction, wear, heat and oil leakage therebetween, resulting in prolonged service life, reduced amount of maintenance, no tooth breakage and high working efficiency.

IPC 8 full level

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