

Title (en)

RAM WITH A SLIDING LINK

Title (de)

MÄKLER MIT EINER GLEITVERBINDUNG

Title (fr)

SONNETTE AVEC RACCORD COULISSANT

Publication

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Application

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Priority

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- AT 134394 A 19940707

Abstract (en)

[origin: WO9601928A1] The object of the invention is to provide a sliding link capable of controlling the tremendous moment forces, especially the transverse moments, at any position of the sledge. A sliding link (1) is fitted on a bearing and guide column (29) forming part of the sledge. The sliding link (1) consists of an inner hollow cylinder (2) and an outer hollow cylinder (10) coaxial therewith. The rammer (21) is coupled to the sledge via holding arms (28) fitted on the outer hollow cylinder (16). When the sledge is taken into the horizontal position, the weight of the rammer imposes considerable moments on the sliding link. Thus immense tensile forces are applied to the upper sliding links (1) and tremendous pressure to the lower sliding link (1). The tensile forces are absorbed by the engagement over the centre line in region (31). Likewise, the pressures are absorbed in region (32) of the lower sliding links. The leverages can amount to several thousand kpm. The invention ensures that the tensile and pressure forces are properly controlled.

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