

Title (en)

Cam gearing with selective switching of a constant and variable course of an output shaft

Title (de)

Kurvengetriebe mit wahlweise schaltbarem konstanten und variablen Hub einer Abtriebswelle

Title (fr)

Commande à came avec enclenchement sélectif d'une course constante et variable d'un arbre de sortie

Publication

EP 0613968 B1 19961106 (DE)

Application

EP 93120355 A 19931217

Priority

DE 4306612 A 19930303

Abstract (en)

[origin: DE4306612C1] The cam drive transmission system, to selectively give a constant and a variable stroke action to a drive shaft, uses a four-link gearing as the linkage mechanism with at least two systems for the cam operation. Each has a four-linkage lever, coaxial to the theoretical swing axis of the roller lever to both sides, at a gap from the lever in the housing. The four-link gearing is activated by a pressure unit alternately or alternatively with the roller lever. The theoretical swing axis of the roller lever is contained within a hollow lever shaft with carriers at the free end, and held through by a sliding shaft to work with the carriers alternately or alternatively. The sliding shaft is coupled to an engaging mechanism with a switch movement, in turn connected to a control on the drive shaft. The four-link lever to determine pile height has a setter (59) to determine the angular setting of the sley shaft and a lock to hold the adjustment at the required setting. USE/ADVANTAGE - The gearing mechanism, esp. for the sley drive of a shuttleless loom, operates according to whether a smooth or a towelling fabric is being woven, to set the gearing for woven piles or not. It gives high speed working, with a defined swing angle to the sley.

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