

Title (en)

Spur gear transmission for driving a roller

Title (de)

Stirnradgetriebe für den Antrieb einer Walze

Title (fr)

Transmission à engrenages droits pour l'entraînement d'un rouleau

Publication

EP 0793038 B1 20010530 (DE)

Application

EP 96120229 A 19961217

Priority

DE 19607678 A 19960229

Abstract (en)

[origin: EP0793038A2] An end gear drive for a roller (1) with one end (2) mounted via a swivel bearing (3) on a pedestal (4) has an externally toothed ring (5) connected rigidly with the roller end; a driven pinion (6) which meshes with the ring, is formed as a hollow piece and is mounted via another swivel bearing (7) on the pedestal; a drive shaft (8) with an end (9) locked in rotation with the pinion to one side of it; and next to the pinion swivel bearing and if necessary supported on the pedestal, an auxiliary pinion support bearing (23) which has radial play to allow the pinion to tilt. The shaft end (9) has a recess (22) into which is inserted the auxiliary bearing. Pref. the coupling (20, 21) between shaft and pinion is placed beside the pinion bearing. The shaft can be directly coupled with the pinion e.g. the shaft end next to the pinion has external teeth (20) which lock with pinion internal teeth (21).

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F16H 57/02; **D21G 1/00**

IPC 8 full level

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