

Title (en)

Device for manufacturing handle bag made of a thermoplastic foil

Title (de)

Vorrichtung zum Herstellen einer Tragetasche aus thermoplastischer Kunststoffolie

Title (fr)

Appareil pour la fabrication de sacs à poignées en feuilles de matière thermoplastique

Publication

EP 0920984 B1 20040414 (DE)

Application

EP 98117819 A 19980919

Priority

DE 19753911 A 19971205

Abstract (en)

[origin: EP0920984A2] The feed system (1) has a swiveling arm (23) allocated to each end of the cut film section (13) forming the carrying handle (18). Each arm moves backwards and forwards around an axis (24) perpendicular to the plane of the film strip between two positions. A clamp (25) on the swiveling arm at each end of the film section grips the latter in the first position (I) and after moving through 90 degrees releases it in the second position (II) after forming a handle loop. Each swiveling arm (23) is connected by a rod (34) to a primary drive unit (2) including a servo drive unit (35) connected to a drive wheel (37) on a main drive shaft (38). A coaxial intermediate wheel (39) on the drive shaft is connected by another drive system (41) to wheels (42-44) with pegs (45) for diverting the ends of the connecting rods (34). The connecting rods are in pairs above and below the film strip. The film section (13) forming the handle (18) is cut from a continuous strip passing between a fixed upper (11) and moving lower (12) knife blade. Both cutting blades are located in front of a guide plate (14) for the cutoff film sections. The clamps of the swiveling arms are formed by upper and lower punches, the lower being fixed with its upward facing end passing through a cutout (28) in the film guide plate. The level of the upper punch (25) can be varied.

IPC 1-7

B31B 19/86

IPC 8 full level

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CPC (source: EP US)

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