

Title (en)

Apparatus for manufacturing photographic filmstrips

Title (de)

Vorrichtung zur Herstellung von fotografischen Filmen

Title (fr)

Dispositif pour la production de pellicules photographiques

Publication

EP 0691190 A2 19960110 (EN)

Application

EP 95109838 A 19950623

Priority

JP 14332094 A 19940624

Abstract (en)

In an apparatus for manufacturing filmstrips having a variable length and a variable number of perforations from a long strip of continuous film, a die set device (45) is provided with a plurality of punch holders (46a,47a,48a) aligned adjacent to one another in a film transporting direction. At least one of the punch holders are selectively actuated to make a designated number of equally spaced perforations at a time. A film length adjusting device (58) is provided for adjusting the length of the continuous film extending between the die set device (45) and a cutter (28) in accordance with a unit length which is determined for each variable length of the filmstrip, such that the cutter (28) and the punch holder or punch holders are actuated in synchronism with each other while the continuous film stops after each transport by the unit length. A pair of feed rollers (64,65) are disposed between the cutter (28) and a suction drum (60) for transporting the film toward the cutter (28). The feed rollers (64,65) have diameters less than that of the suction drum (60). A side-printer (27) is arranged to record data on the film at a peripheral position of a larger one of the feed rollers (64,65). <MATH>

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Citation (applicant)

- US 4846418 A 19890711 - FAIRMAN PATRICIA D [US]
- JP S61214999 A 19860924 - KONISHIROKU PHOTO IND
- JP H042800 Y2 19920130

Cited by

CN110815380A; CN112706223A; CN102259774A; CN102909747A; WO2016146273A1

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DE NL

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EP 0691190 A2 19960110; **EP 0691190 A3 19960605**; **EP 0691190 B1 20000927**; DE 69518956 D1 20001102; DE 69518956 T2 20010201

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