

Title (en)

Reciprocable imprinting apparatus.

Title (de)

Druckapparat mit hin- und herbewegendem Druckkopf.

Title (fr)

Appareil d'impression à mouvement de va-et-vient.

Publication

**EP 0159413 A2 19851030 (EN)**

Application

**EP 84116172 A 19811026**

Priority

- US 20091380 A 19801027
- US 28544481 A 19810721

Abstract (en)

An article marking apparatus (10) of the reciprocable impact type wherein an imprinting head (152) is driven from a rest condition is sealed engagement with an inking cartridge (106) through a ninety degree rotation to impact upon the surface of a passing article (43) whereby to imprint indicia information thereon by means of printing type (178) carried by said imprinting head (152). The imprinting head (152) is pivotally coupled to a pneumatic drive device (224) by a linkage (190, 192, 198). A guide in the form of a cam slot (212) and follower (206, 204) arranged is provided to define the path taken by the head (152). The cam and follower arrangement is arranged so that the velocity of rotation of the imprinting head means during an imprinting stroke is uniform at the locations proximate the ends of the strokes, with the velocity of rotation increasing in accordance with uniform rotational acceleration to the midpath of the strokes and decreasing under uniform deceleration to locations proximate the end of the strokes. This prevents shaking and/or misalignment of the imprinting head.

IPC 1-7

**B41F 17/24**

IPC 8 full level

**B41F 17/24** (2006.01); **B65B 61/26** (2006.01)

CPC (source: EP)

**B41F 17/24** (2013.01); **B65B 61/26** (2013.01)

Designated contracting state (EPC)

AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0159413 A2 19851030**; AR 228623 A1 19830330; AU 554632 B2 19860828; AU 7687381 A 19820506; BR 8106891 A 19820713; CA 1172101 A 19840807; EP 0050980 A1 19820505; ES 506618 A0 19820816; ES 8206284 A1 19820816; GB 2086307 A 19820512; GB 2086307 B 19851120; IL 64108 A0 19820131; MX 153640 A 19861209

DOCDB simple family (application)

**EP 84116172 A 19811026**; AR 28721281 A 19811026; AU 7687381 A 19811027; BR 8106891 A 19811026; CA 388733 A 19811026; EP 81305034 A 19811026; ES 506618 A 19811027; GB 8132246 A 19811026; IL 6410881 A 19811026; MX 18980381 A 19811026