

05 NOV 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/009376 A3

(51) International Patent Classification⁷: **B41F 17/08**

(21) International Application Number:
PCT/US2003/015870

(22) International Filing Date: 19 May 2003 (19.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/200,817 22 July 2002 (22.07.2002) US

(71) Applicant: SEQUA CAN MACHINERY, INC. [US/US];
401 Central Avenue, East Rutherford, NJ 07073 (US).

(72) Inventor: DIDONATO, Russell; 20 Amherst Court,
Maplewood, NJ 07040 (US).

(74) Agent: BITTMAN, Mitchell, D.; Sequa Corporation,
Three University Plaza, Hackensack, NJ 07601 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

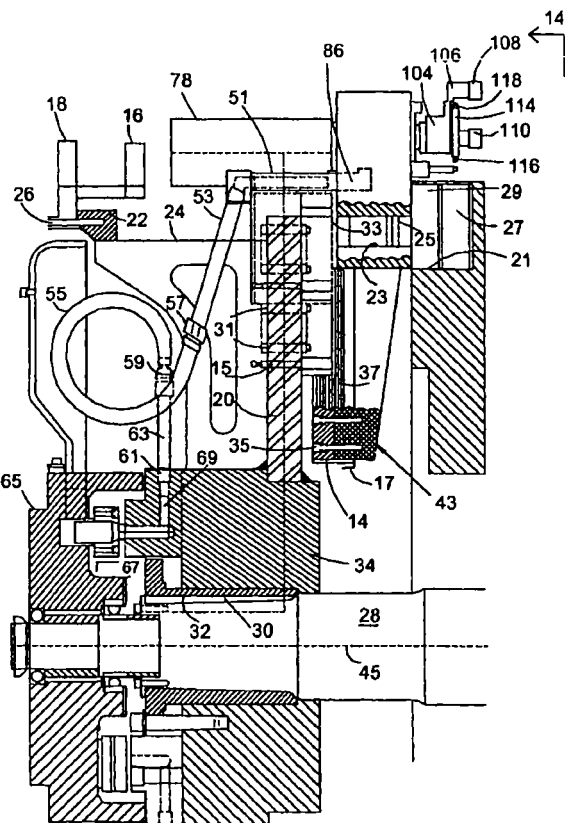
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: MECHANICAL MANDREL TRIP



(57) Abstract: An automated can decorating apparatus including a mechanical mandrel trip mechanism. The mechanical mandrel trip mechanism includes a trip lever mechanism having a trip cam follower disposed on an end of a trip arm which causes the movement of an associated mandrel away from a printing position, and a reset cam follower disposed on a reset arm which causes the mandrel to return to a printing position. Trip cam follower and reset cam follower engage cam surfaces on a trip cam plate and a reset cam plate, respectively, to cause the movement of their associated mandrel.



162162



ACTION

WO 2004/009376 A3

WO 2004/009376 A3

(88) Date of publication of the international search report:
28 April 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.