

Title (en)

Method and apparatus for applying decals to articles.

Title (de)

Verfahren und Vorrichtung zum Aufbringen von Abziehbildern auf Gegenstände.

Title (fr)

Procédé et dispositif pour appliquer des images à décalquer sur des objets.

Publication

**EP 0043409 A1 19820113 (EN)**

Application

**EP 81102703 A 19810409**

Priority

US 16681880 A 19800708

Abstract (en)

A series of decals are attached to an elongated web (20) and are spaced a generally constant distance apart in the direction of the length of the web. The machine includes supply and take-up spindles (28, 30) for rotatably supporting reels (27, 29) for the web, and a web drive (48, 49) for moving the web from the supply reel (27) to the take-up reel (29). A mandrel rotatably supports the article (23) and a movable head (33) presses the web and the decal against an article on the mandrel. The web passes from the supply reel (27), between the mandrel and the head (33), and to the take-up reel (29). The machine further includes a brake (42) which, when engaged, holds the web against movement, and a decal sensor assembly (41). After the machine is actuated to cause the movable head (33) to press the decal against an article (23), the brake (42) is actuated to release the web, and the web is then pulled across the article. The moving web rotates the head which in turn engages and rotates the mandrel. The article revolves with the mandrel and the decal is rolled onto the article. The decal sensor assembly controls the operation of the brake to enable advance of the web during and after application of each decal.

IPC 1-7

**B65C 9/18**; **B65C 3/12**

IPC 8 full level

**B44C 1/16** (2006.01); **B41F 16/00** (2006.01); **B41F 17/10** (2006.01); **B44C 1/17** (2006.01); **B65C 3/12** (2006.01); **B65C 9/18** (2006.01)

CPC (source: EP)

**B65C 3/12** (2013.01); **B65C 9/1873** (2013.01)

Citation (search report)

- GB 2027410 A 19800220 - DENNISON MFG CO
- US 3813268 A 19740528 - KERWIN D
- DE 2923395 A1 19791220 - DENNISON MFG CO
- DE 2239693 A1 19730301 - MEYERCORD CO
- US 3231448 A 19660125 - FLOOD CARL A

Cited by

AU570374B1; CN116903263A; EP1298064A1; WO0242092A3

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

**EP 0043409 A1 19820113**; CA 1154299 A 19830927; JP S5718257 A 19820130; ZA 811998 B 19820630

DOCDB simple family (application)

**EP 81102703 A 19810409**; CA 373844 A 19810325; JP 6511281 A 19810427; ZA 811998 A 19810325