

Title (en)

CURING APPARATUS WITH EJECTOR MECHANISM

Publication

**EP 0143568 B1 19900509 (EN)**

Application

**EP 84307576 A 19841102**

Priority

- US 54820783 A 19831102
- US 66396184 A 19841026

Abstract (en)

[origin: EP0143568A2] An apparatus for curing ink screen print on articles, particularly large articles (14) such as pails or barrels, includes a rotatable turntable (22) having a plurality of spin table (32) compartments each of which is to receive a pail and carry the same in a circular path past a radiation source (16) covered by a housing (18) at a curing station. Each article (14) is spun as it reaches the curing station to assure complete irradiation about the circumference of each article. The housing (18) is provided with a large opening (24) to facilitate loading of articles onto the spin tables and removal of articles with cured ink from the spin tables. A torque limiting device is provided for the turntable drive to prevent injury to a hand of the operator. An ejector mechanism (35) is mounted on the apparatus to automatically eject cured articles from the turntable to reduce the labour needed to operate the apparatus. The preferred ejector mechanism includes a fluid cylinder (41) having a pusher (43) mounted centrally of the turntable, and operable to extend into a compartment to push an article therefrom onto a takeaway conveyor. Operation of the ejector mechanism disables the turntable drive mechanism.

IPC 1-7

**B41F 23/00**

IPC 8 full level

**B41F 23/00** (2006.01); **F26B 15/04** (2006.01)

CPC (source: EP)

**B41F 23/005** (2013.01); **F26B 15/04** (2013.01)

Cited by

CN112315436A; EP0367867A1; CN103573910A; EP0548746A1; EP0456829A4

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 0143568 A2 19850605**; **EP 0143568 A3 19861126**; **EP 0143568 B1 19900509**; DE 3482175 D1 19900613

DOCDB simple family (application)

**EP 84307576 A 19841102**; DE 3482175 T 19841102