

Title (en)

Curing apparatus with ejector mechanism.

Title (de)

Trockenapparat mit Auswerfmechanismus.

Title (fr)

Dispositif de séchage avec mécanisme d'éjection.

Publication

EP 0143568 A2 19850605 (EN)

Application

EP 84307576 A 19841102

Priority

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- US 66396184 A 19841026

Abstract (en)

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.

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