

Title (en)
METHOD AND APPARATUS FOR DECORATING METAL OR PLASTIC CONTAINERS

Publication
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Application
EP 86110123 A 19860723

Priority
DE 3526769 A 19850726

Abstract (en)
[origin: EP0209896A2] 1. A device for decorating containers made of metal, plastics, glass, cardboard or paper, also as composite material, which containers are limited at least partially as seen in cross-section by round or oval wall portions, by applying printed pictures, which extend at least over a part of the round or oval wall portions, to a rotating object, more particularly for all round printing of containers which are round or oval in cross-section, using a movable slide arrangement with nozzles directed on to the object according to the ink jet method with the aid of ink or pigmented paint jets, characterised by a retaining device (2, 2a) accommodating the containers (1) individually, said device engaging the containers outside their outer surfaces to be printed, by a drive device (4), for driving the containers (1) in the retaining device (2, 2a) in rotary manner about their longitudinal axis, by a slide arrangement (6), which is provided spaced from the container (1), which is located in the retaining device (2, 2a), and movable continuously or in steps in parallel with the longitudinal axis of the container, said arrangement (6) having the nozzles (10 to 13) which are directed on to the container (1), said nozzles producing the printed picture as a raster picture in accordance with the ink jet method with the aid of ink or pigmented paint jets by means of program-controlled application of individual coloured dots along parallel peripheral lines on the walls of the container (1) which is to be decorated, and by a sensor for measuring the spacing of the nozzles (10 to 13) from the container (1) in the direction of the jet and by a control and drive device for displacing the nozzles in a direction towards the container or away from it.

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