

Title (en)

BRONZE PRINTING PROCESS FOR COLOUR PRINTS TREATED WITH A BRONZING MEDIUM

Publication

EP 0177637 B1 19880427 (DE)

Application

EP 84113757 A 19841114

Priority

- EP 84113757 A 19841114
- DE 3321953 A 19830618

Abstract (en)

[origin: EP0177637A1] 1. Method for the bronzing of colour printing by treatment with bronzing medium, using non-flowable lustre pigments, consisting of mica flakes coated with titanium dioxide, which on the TiO₂ layer have a thin colouring layer of annealed chromium dioxide and/or chromium phosphate, characterized in that the lustre pigment is converted into the flowable state, it emerges along the length of the application roller (1) out of the bronzing pigment container (2) situated thereabove which container is brought down so low as to be disposed, viewed in cross-section, with its vertical wall face (4) and its wall face (5), which is inclined, on the rotating surface of the application roller (1), the lower limit of this being the height of the horizontal diameter (6) through the axis of the application roller (1), and thereby the bronzing lustre pigment of light specific weight forms a wedge-shaped volume of bronzing medium from which the flow is carried over the surface of the application roller (1), controlled by adjustable sliders (3, 3a ... 3n), to the gap opening (13) of the sliders (3, 3a ... 3n), and wherein said bronze wedge (7), viewed in cross-section, is bounded by the upper circular roller arc section (8) between the inclined wall face and the uppermost point on the application roller (1), the inclined wall face (5) and the tangent (9) to the uppermost point on the application roller, wherefrom the outflow occurs, through the flow angle (10) of 45° which, viewed in cross-section, is defined by the vertical wall face (4) and the line (11) to the uppermost point (12) of the application roller (1) from the outer point (13) on the application roller (1), continuously and evenly in a specific quantity such that the printed sheets receive a predetermined coverage, after which the non-adhering quantity of the lustre pigment is removed from the bronzed printed sheets by brushing off, the bronzed printed sheets are carried out and stacked and the lustre pigment which has been brushed off is introduced into a collection vessel.

IPC 1-7

B41G 1/00

IPC 8 full level

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CPC (source: EP)

B41G 1/04 (2013.01); **B41M 1/22** (2013.01); **B44C 1/04** (2013.01)

Cited by

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