

Title (en)
PROCESS FOR THE MANUFACTURE OF PRINTED WALLPAPER FOILS

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Application
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Priority
DE 3024391 A 19800628

Abstract (en)
[origin: US4532157A] A process for producing colored, resin-impregnated paper sheets with a three-dimensional surface structure. A paper sheet is printed with a pattern using aqueous printing ink. The printing ink which is printed on regions which are to have a thinner lacquer film contains a lacquer repelling material. After the printed sheet is dried, it is lacquered with an aqueous lacquer having a viscosity of 15 to 40 seconds in an AK-4 beaker. The lacquer includes as binder a mixture comprising (A) a mixture of urea and/or melamine resin, dissolved in water, and an aqueous acid as hardener, which cures in less than 100 seconds at a temperature above 100 DEG C. after the aqueous resin solution is mixed with the acid, and (B) a binder selected from the group consisting of (a) water-dilutable polyester resin, (b) acrylate resin, and (c) ethoxylated derivative of glycerin, there being 10 to 250 parts by weight of solids of binder (B) for every 100 parts by weight of solids of binder (A). The lacquered sheet is cured without pressure by the action of air heated to above 100 DEG C.

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Citation (search report)
• [X] US 3811915 A 19740521 - BURRELL H, et al
• [X] US 4169907 A 19791002 - BARKER JOHN C [CA], et al
• [X] DE 2727312 A1 19781221 - GOLDSCHMIDT AG TH
• [A] US 3600827 A 19710824 - FISHER DENYS, et al
• [A] US 4097635 A 19780627 - SANZ HERNANDEZ JOSE ANTONIO, et al
• [A] FR 2251663 A1 19750613 - HOLTZMANN & CIE AG E [DE]

Cited by
EP0123252A1; EP0115038A3; US11654712B2; EP0108320A1; EP3381710A1

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