

Title (en)

Process for obtaining metallized surface using electron beam curing.

Title (de)

Verfahren zur Erlangung einer metallisierten Oberfläche durch Härtung mittels Elektronenstrahlen.

Title (fr)

Procédé pour l'obtention d'une surface métallisée en appliquant un durcissement par rayonnement d'électrons.

Publication

EP 0130659 A1 19850109 (EN)

Application

EP 84300108 A 19840109

Priority

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Abstract (en)

A method of producing a specular metallic coating on a substrate using electron beam curing is described. The method basically comprises depositing (22) a thin metallic film on a transfer agent (20), applying (26) a coating of an electron beam-curable varnish to either the transfer agent (20) or a substrate (24), laminating (28) the metallized transfer agent and the substrate together before the varnish is cured, curing (30) the varnish using electron beam curing apparatus, and immediately delaminating (32) the transfer agent (20). The instantaneous curing has the advantages of speeding up the process and permitting uninterrupted flow of the metallized substrate for further processing.

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B44C 1/14; **B05D 3/06**; **D21H 1/12**

IPC 8 full level

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- [YD] US 4215170 A 19800729 - OLIVA D ENTIQUE VILAPRINYO [ES]
- [Y] EP 0050398 A2 19820428 - SCOTT PAPER CO [US]
- [X] ABSTRACT BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, vol. 52, no. 1, July 1981, page 124, no. 1032, Appleton, Wisc., US & JP - A - 55 163 294 (T. TAKAHASHI et al.) 19-12-1980

Cited by

EP0858912A3; AU580725B2; FR2736649A1; NL1000614C2; CN115516167A; US6858253B2; WO2004035856A1; WO9700782A1; WO9702957A1

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