

Title (en)

Paper with a coating applied by cast coating

Title (de)

Papier mit einer im Gussstreichverfahren aufgetragenen Beschichtung

Title (fr)

Papier pourvu d'un revêtement appliqué par un processus de fabrication du papier couche chrome

Publication

EP 0767273 B1 20010718 (DE)

Application

EP 96114696 A 19960913

Priority

DE 19537427 A 19951007

Abstract (en)

[origin: EP0767273A1] The paper has a coating of mineral pigment, a starch deriv. and usual additives applied by cast coating with an aq. compsn. The pigment comprises 40-100 wt.% coarse ground CaCO₃ and 0-60 wt.% talc; and the binder comprises (a) 6-15 wt.% starch ether (I) or (b) 6-15 wt.% (I), 0.5-2 wt.% PVA and/or 0.5-2 wt.% CMC w.r.t. the pigment. Pref. (I) is a hydroxypropyl starch ether (IA), esp. with a deg. of substitution < 0.2, more esp. 0.04-0.12. The coating also contains 0.5-3.5 wt.% (w.r.t. dry pigment) of crosslinking agent(s) selected from polyamine epichlorohydrin resin, polyamide epichlorohydrin resin, epoxide resin and polyisocyanate resin, pref. an aliphatic epoxide resin and/or an epoxide resin based on bisphenol A and F and epichlorohydrin.

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D21H 19/36

IPC 8 full level

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CPC (source: EP)

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Cited by

US7067174B2; EP0909851A1; US6132855A; EP3274185A4; AU2016238448B2; WO0043595A1; WO9931320A1; WO2016151511A1; US11396199B2

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