

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 moulage

Publication
EP 0767273 A1 19970409 (DE)

Application
EP 96114696 A 19960913

Priority
DE 19537427 A 19951007

Abstract (en)
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.

Abstract (de)
Bei einem Papier mit einer im Gußstreichverfahren aufgetragenen Beschichtung besteht das Pigment der Beschichtung zu 70 bis 100 Gew.% aus: gemahlenem Calciumcarbonat, gefälltem Calciumcarbonat, Talkum oder einer Mischung dieser Pigmente und das Bindemittel der Beschichtung besteht, bezogen auf 100 Gew.-Teile Pigment, aus 6 bis 25 Gew.-Teilen Stärkeether.

IPC 1-7
D21H 19/36

IPC 8 full level
D21H 19/36 (2006.01); **D21H 19/38** (2006.01); **D21H 19/52** (2006.01); **D21H 19/54** (2006.01); **D21H 19/60** (2006.01); **D21H 25/14** (2006.01)

CPC (source: EP)
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Citation (applicant)
• DE 3841199 A1 19900613 - FELDMUEHLE AG [DE]
• DE 4029491 A1 19920319 - FELDMUEHLE AG [DE]
• DE 4139386 C1 19930422

Citation (search report)
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• [YA] DE 3841199 A1 19900613 - FELDMUEHLE AG [DE]
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• [A] EP 0582466 A1 19940209 - JUJO PAPER CO LTD [JP]
• [Y] DATABASE WPI Section Ch Week 8603, Derwent World Patents Index; Class A89, AN 86-016260, XP002022527

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