

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 CaCO<sub>3</sub> 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)

- [DYA] DE 4327366 C1 19950105 - FELDMUEHLE AG STORA [DE]
- [YA] DE 3841199 A1 19900613 - FELDMUEHLE AG [DE]
- [A] US 3844819 A 19741029 - WINDLE W
- [DA] DE 4029491 A1 19920319 - FELDMUEHLE AG [DE]
- [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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