

Title (en)  
PAPER COATING COMPOSITIONS

Publication  
**EP 0015517 B1 19830216 (DE)**

Application  
**EP 80101009 A 19800229**

Priority  
DE 2908201 A 19790302

Abstract (en)  
[origin: US4302367A] An improved paper-coating composition containing, per 100 parts by weight of finely divided pigment, from 5 to 25 parts by weight of one or more copolymers, having a glass transition temperature of from -40 DEG to 50 DEG C., in the form of an aqueous dispersion, and from 0.1 to 10 parts by weight of one or more water-soluble or water-swellaable co-binders selected from the group comprising polyvinyl alcohol, cellulose ethers, starch, casein, alginates and high molecular weight carboxyl-containing emulsion polymers. The co-binder is added to the paper-coating composition in the form of a water-in-oil emulsion. Paper-coating compositions having high water retention are obtained, and papers coated with such compositions have improved water resistance.

IPC 1-7  
**D21H 1/22**

IPC 8 full level  
**D21H 19/36** (2006.01); **D21H 19/50** (2006.01); **D21H 19/52** (2006.01); **D21H 19/54** (2006.01); **D21H 19/58** (2006.01); **D21H 19/60** (2006.01)

CPC (source: EP US)  
**D21H 19/50** (2013.01 - EP US); **D21H 19/52** (2013.01 - EP US); **D21H 19/54** (2013.01 - EP US); **D21H 19/58** (2013.01 - EP US);  
**D21H 19/60** (2013.01 - EP US)

Cited by  
US5209982A; WO9008223A1; WO2005026439A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0015517 A1 19800917**; **EP 0015517 B1 19830216**; AT E2554 T1 19830315; CA 1151787 A 19830809; DE 2908201 A1 19800911;  
DE 3061958 D1 19830324; FI 64412 B 19830729; FI 64412 C 19831110; FI 800534 A 19800903; JP S55116896 A 19800908;  
NO 800573 L 19800903; US 4302367 A 19811124

DOCDB simple family (application)  
**EP 80101009 A 19800229**; AT 80101009 T 19800229; CA 345217 A 19800207; DE 2908201 A 19790302; DE 3061958 T 19800229;  
FI 800534 A 19800222; JP 2349280 A 19800228; NO 800573 A 19800228; US 12407980 A 19800225