

Title (en)  
Active sizing compositions.

Title (de)  
Aktive Leimungszusammensetzungen.

Title (fr)  
Compositions d'encollages actives.

Publication  
**EP 0418015 A1 19910320 (EN)**

Application  
**EP 90309876 A 19900910**

Priority  
GB 8920456 A 19890911

Abstract (en)  
The compositions comprise an aqueous emulsion containing a ketene dimer reactive sizing agent and an anionic dispersant or emulsifier such as sodium lignosulphonate, calcium lignosulphonate or the sodium salt of naphthalene sulphonic acid. In addition an extender or modifier such as an anionic polyacrylamide, an anionic starch or colloid silica can be present to extend or modify the anionic charge density of the composition. The compositions are particularly effective in sizing systems containing cationically charged fillers, or cationic additives such as certain retention aids and fluorescent whitening agents.

IPC 1-7  
**D21H 17/17**; **D21H 17/23**

IPC 8 full level  
**D21H 17/09** (2006.01); **D21H 17/05** (2006.01); **D21H 17/17** (2006.01); **D21H 17/23** (2006.01)

CPC (source: EP)  
**D21H 17/17** (2013.01); **D21H 17/23** (2013.01)

Citation (search report)  
[X] US 4861376 A 19890829 - EDWARDS DEREK W [US], et al

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WO03074787A1; US6114471A; US5876562A; EP0686727A3; ES2105962A1; US6165259A; DE4227184A1; US10131580B2; CN1107766C; CZ299148B6; EP0722011A1; EP2766525A4; CN1112477C; CZ297546B6; NO337087B1; US10144671B2; US6194057B1; US6537616B2; US6268414B1; US6537615B2; US7294190B2; US9944425B2; WO9833979A1; WO9617127A1; US6306464B2; US6211357B1; WO9833980A1; WO9413883A1; WO2004022848A1; WO0029670A1; WO2005042842A1; WO0023651A1; WO03056099A1; WO0141941A1; US6281350B1; US6458419B2; US6620461B2; US6623806B2; US7608644B2; US7156955B2; US6284099B1; WO03056100A1; WO9731152A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0418015 A1 19910320**; AU 6231790 A 19910314; BR 9004518 A 19910910; CA 2024975 A1 19910312; FI 904444 A0 19900910; GB 8920456 D0 19891025; JP H03167391 A 19910719; NO 903926 D0 19900910; NO 903926 L 19910312; ZA 907216 B 19910731

DOCDB simple family (application)  
**EP 90309876 A 19900910**; AU 6231790 A 19900910; BR 9004518 A 19900911; CA 2024975 A 19900910; FI 904444 A 19900910; GB 8920456 A 19890911; JP 23915290 A 19900911; NO 903926 A 19900910; ZA 907216 A 19900911