

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

Cited by
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

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