

Title (en)

Hydrophilic dispersion polymers for paper applications

Title (de)

Hydrophile Dispersionspolymere für Papieranwendungen

Title (fr)

Polymères hydrophiles en dispersion pour applications papetières

Publication

**EP 0831177 B1 20070725 (EN)**

Application

**EP 97116538 A 19970923**

Priority

US 71928396 A 19960924

Abstract (en)

[origin: EP0831177A2] A papermaking process comprising forming an aqueous cellulosic papermaking slurry and adding a hydrophilic dispersion polymer to the slurry to increase retention and/or drainage is disclosed. The hydrophilic dispersion polymer comprises (a) a cationic monomer and (b) a second monomer represented by (meth)acrylamide (in an aqueous solution of a polyvalent anionic salt), wherein the polymerization is carried out in the presence of either an organic high-molecular weight multivalent cation comprising a water-soluble polymer containing at least one (a) monomer and/or poly diallyl dimethyl ammonium chloride (DADMAC). After addition of the polymers, the slurry is drained to form a sheet, and the sheet is dried.

IPC 8 full level

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