

Title (en)

Papermaking process using multi-polymer retention and drainage aid

Title (de)

Verfahren zur Papierherstellung mittels Multipolymerrückhaltungs-/Entwässerungshilfsmittel

Title (fr)

Procédé de fabrication de papier à l'aide d'un agent de rétention et d'égouttage multipolymère

Publication

**EP 0790351 A3 19990506 (EN)**

Application

**EP 97300969 A 19970214**

Priority

US 60160196 A 19960214

Abstract (en)

[origin: EP0790351A2] The claimed invention comprises a papermaking process comprising forming an aqueous cellulosic papermaking slurry, adding to the slurry a mineral filler, adding to the slurry after the addition of the mineral filler a cationic polymeric coagulant, then adding to the slurry an effective flocculating amount of a high molecular weight anionic polymer selected from the group consisting of acrylamide/sodium acrylate copolymers and copolymers of acrylamide and acrylamido methyl propyl sulfonate (AMPS), adding a low molecular weight anionic polymer selected from the group consisting of polyacrylic acid and methacrylic acid, draining the slurry to form a sheet, and drying to form a paper sheet.

IPC 1-7

**D21H 23/76**; **D21H 21/10**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 5266164 A 19931130 - NOVAK ROBERT W [US], et al
- [A] US 5185062 A 19930209 - BEGALA ARTHUR J [US]

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