

Title (en)

Reducing the deposition of pitch-like resins in the production of paper.

Title (de)

Herabsetzung der Ablagerung von klebrigen Harzen während der Papierherstellung.

Title (fr)

Diminution de la formation de dépôt de résines poisseuses lors de la production de papier.

Publication

EP 0058622 A1 19820825 (EN)

Application

EP 82400267 A 19820215

Priority

US 23452481 A 19810217

Abstract (en)

Pitch-like resin deposits are reduced or prevented during the papermaking process by adding to the papermaking slurry from 0.5 to 20 parts per million by weight of a self-inverting emulsion containing a polyampholyte of the formula: <CHEM> where DMDAAX<(-)> is a polymer unit resulting from monomeric dimethyldiallylammonium X<(-)>; DEDDAAX<(-)> is a polymer unit resulting from monomeric diethyldiallylammonium X<(-)>; X is an anion; M<(+)> is hydrogen; ammonium; sodium; or potassium; k and l together total 50 weight percent, and m and n together total 50 weight percent; while k is from 45 to 48 weight percent and l is from 2 to 5 weight percent; and while m is from 45 to 50 weight percent and n is from 0 to 5 weight percent; said polyampholyte having a molecular weight greater than 1×10^6 .

IPC 1-7

D21H 3/38

IPC 8 full level

D21C 9/08 (2006.01); **D21H 17/37** (2006.01)

CPC (source: EP)

D21C 9/086 (2013.01)

Citation (search report)

- [A] US 3639208 A 19720201 - VARVERI FANNIE S, et al
- [AD] US 4077930 A 19780307 - LIM SIM KOEI, et al

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EP0349311A3; EP0464993A1; US5221436A; EP0172684A1; US5853542A; US4995944A; US4964955A; DE3905049A1; EP0282081A1; GR1000332B; EP3467202A4; US10240295B2; US10519602B2; US7407561B2; WO8906294A1; WO0034581A1; WO2017007614A1; US10253214B2; WO9722751A3

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