

Title (en)
Pitch reduction on paper machine surfaces.

Title (de)
Pechverminderung auf den Papiermaschineflächen.

Title (fr)
Réduction de la poix sur les surfaces des machines à papier.

Publication
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Application
EP 93250323 A 19931124

Priority
US 98146492 A 19921125

Abstract (en)
The present invention is directed to compositions and methods for controlling pitch deposits derived from natural pulps on pulp and papermaking equipment surfaces. The method involves contacting the pulp and papermaking equipment surfaces with a composition containing a combination of a nonionic surfactant having a pitch dispersant value between 1 and 3, and a cationic polymer.

IPC 1-7
D21H 21/02; D21C 9/08

IPC 8 full level
C11D 1/38 (2006.01); **C11D 1/66** (2006.01); **D21C 9/08** (2006.01); **D21F 1/32** (2006.01); **D21H 21/02** (2006.01)

CPC (source: EP)
D21C 9/086 (2013.01); **D21H 21/02** (2013.01)

Citation (search report)
• [XY] EP 0359590 A2 19900321 - DEARBORN CHEMICALS CO [CA]
• [Y] US 5139616 A 19920818 - LING TIEN-FENG [US]
• [X] US 3102065 A 19630827 - THURLOW JOHN F
• [A] CA 1150914 A 19830802 - ALCHEM INC
• [A] DATABASE PAPERCHEM THE INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY, ATLANTA, GA, US; SHPENZER, N. P. ET AL: "Colloidal and Chemical Properties of Surfactants Intended for Depitching of Sulfite Pulp" & MEZHVUZ. SB. NAUCH. TR., SER. KHIM. TEKHNOL. TSELLYUL. NO. 6: 32-36 (1979). [RUSS.]

Cited by
AU2006214458B2; US6723207B2; AU2004200713B2; AU768787B2; US5618861A; AU2004250115B2; NO338512B1; DE19519268C1; EP1950342A1; US6139911A; CN103422382A; US7718075B2; US7166192B2; US7988827B2; US8512523B2; US6517682B2; WO2006088818A1; WO2007002553A3; WO2004113611A1; WO9715646A1; WO0109434A1

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