

Title (en)
PAPER-COATING COMPOSITIONS COMPRISING WHITENING AGENTS

Publication
EP 0274666 B1 19920325 (DE)

Application
EP 87118124 A 19871208

Priority
DE 3643215 A 19861218

Abstract (en)
[origin: US4888128A] Fluorescent brightener salts of the formula <IMAGE> in which A denotes the anion of an anionic cellulose fluorescent brightener, R1 denotes alkyl, alkenyl, aralkyl, aryl or cycloalkyl, R2, R3 and R4 denote hydrogen or R1, or together, including the N atom, form a heterocyclic ring, and n denotes 1 or 2, are suitable for incorporation into paper-coating slips. The brightened coating slips are distinguished, inter alia, by the fact that the achievable greying limit is very high.

IPC 1-7
D21H 19/46; D21H 21/30

IPC 8 full level
D21H 19/44 (2006.01); **C07D 251/50** (2006.01); **C07D 251/52** (2006.01); **C07D 251/68** (2006.01); **D21H 19/46** (2006.01); **D21H 21/30** (2006.01)

CPC (source: EP US)
D21H 21/30 (2013.01 - EP US)

Cited by
EP0905317A1; EP0409028A1; FR2660944A1; US6387296B1; WO9621062A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0274666 A1 19880720; EP 0274666 B1 19920325; DE 3643215 A1 19880630; DE 3777789 D1 19920430; FI 87378 B 19920915; FI 87378 C 19921228; FI 875517 A0 19871216; FI 875517 A 19880619; JP S63165596 A 19880708; US 4888128 A 19891219

DOCDB simple family (application)
EP 87118124 A 19871208; DE 3643215 A 19861218; DE 3777789 T 19871208; FI 875517 A 19871216; JP 31114587 A 19871210; US 13178087 A 19871211