

Title (en)
Process for colouring paper.

Title (de)
Verfahren zum Färben von Papier.

Title (fr)
Procédé de coloration de papier.

Publication
EP 0309908 B1 19940413 (DE)

Application
EP 88115563 A 19880922

Priority
DE 3732981 A 19870930

Abstract (en)
[origin: EP0309908A2] Process for the bulk colouring of paper with pigments and fixing agents, where the pigment and the fixing agent are added simultaneously to the paper mass to be coloured and a cationic fixing agent is used as the fixing agent in a quantity of 0.01 to 3.0% by weight, based on the dry paper mass to be coloured.

IPC 1-7
D21H 23/04

IPC 8 full level
D21H 17/34 (2006.01); **D21H 17/37** (2006.01); **D21H 17/49** (2006.01); **D21H 17/55** (2006.01); **D21H 17/56** (2006.01); **D21H 21/28** (2006.01); **D21H 23/04** (2006.01)

CPC (source: EP US)
D21H 17/375 (2013.01 - EP US); **D21H 21/28** (2013.01 - EP US)

Citation (examination)
• US 3128222 A 19640407 - HERSCHLER ROBERT J, et al
• Ratgeber für die Verwendung von BASF-Erzeugnissen in der Papier- industrie, 8/72, Seite 22.

Cited by
US5554261A; US7282263B2; WO9408092A1; WO9821301A1; EP0685591B1

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

DOCDB simple family (publication)
EP 0309908 A2 19890405; EP 0309908 A3 19901227; EP 0309908 B1 19940413; AU 2295788 A 19890406; AU 605633 B2 19910117; CA 1302022 C 19920602; DE 3732981 A1 19890413; DE 3889049 D1 19940519; DK 544388 A 19890331; DK 544388 D0 19880929; FI 884421 A0 19880927; FI 884421 A 19890331; FI 95063 B 19950831; FI 95063 C 19951211; JP H01104898 A 19890421; US 5131981 A 19920721

DOCDB simple family (application)
EP 88115563 A 19880922; AU 2295788 A 19880929; CA 578381 A 19880926; DE 3732981 A 19870930; DE 3889049 T 19880922; DK 544388 A 19880929; FI 884421 A 19880927; JP 23987588 A 19880927; US 71137891 A 19910606