

Title (en)

Process for colouring paper.

Title (de)

Verfahren zum Färben von Papier.

Title (fr)

Procédé de coloration de papier.

Publication

**EP 0309908 A2 19890405 (DE)**

Application

**EP 88115563 A 19880922**

Priority

DE 3732981 A 19870930

Abstract (en)

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.

Abstract (de)

Verfahren zum Färben von Papier in der Masse mit Pigmenten und Fixiermitteln, wobei man Pigment und Fixiermittel gleichzeitig zu der zu färbenden Papiermasse gibt und als Fixiermittel ein kationisches Fixiermittel in einer Menge von 0,01 bis 3 Gew.-%, bezogen auf die zu färbende trockene Papiermasse, verwendet.

IPC 1-7

D21D 3/00; D21H 3/82; D21H 21/28

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)

Cited by

US5554261A; US7282263B2; WO9821301A1; WO9408092A1; 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