

Title (en)
DYE PREPARATION

Publication
EP 0060438 B1 19860625 (DE)

Application
EP 82101610 A 19820303

Priority
DE 3109931 A 19810314

Abstract (en)
[origin: US4459130A] A dye preparation consists of a water-soluble acid dye and a water-insoluble basic carrier. The carrier consists of crosslinked polymer particles of average particle diameter of less than 1 μ m and contains at least 2 mVal/g of quaternary ammonium or phosphonium groups. The dye reacts with the carrier in an ion exchange reaction and forms a dye polymer latex which can easily isolated in solid form, stored indefinitely and redispersed in water whenever required. It forms a so-called self-dispersing dye preparation. The dye preparation is useful for making dyed layers such as in photographic recording materials.

IPC 1-7
G03C 1/84; **C08J 3/22**; **C09B 67/24**

IPC 8 full level
C08J 3/22 (2006.01); **C09B 65/00** (2006.01); **C09B 67/24** (2006.01); **G03C 1/825** (2006.01); **G03C 1/835** (2006.01)

CPC (source: EP US)
G03C 1/835 (2013.01 - EP US); **Y10S 430/142** (2013.01 - EP US)

Cited by
EP0992550A3

Designated contracting state (EPC)
BE CH DE FR GB LI

DOCDB simple family (publication)
EP 0060438 A2 19820922; **EP 0060438 A3 19821117**; **EP 0060438 B1 19860625**; DE 3109931 A1 19820923; DE 3271814 D1 19860731; JP S57161853 A 19821005; US 4459130 A 19840710

DOCDB simple family (application)
EP 82101610 A 19820303; DE 3109931 A 19810314; DE 3271814 T 19820303; JP 3671782 A 19820310; US 54746683 A 19831102