

Title (en)  
OXIDATION DYES

Title (de)  
OXIDATIONSFÄRBEMITTEL

Title (fr)  
COLORANTS D'OXYDATION

Publication  
**EP 0912160 A2 19990506 (DE)**

Application  
**EP 97931764 A 19970703**

Priority

- DE 19626617 A 19960703
- DE 19626744 A 19960703
- DE 19626682 A 19960703
- EP 9703521 W 19970703

Abstract (en)  
[origin: WO9801106A2] The invention relates to oxidation dyes which are particularly suitable for dyeing keratin fibres. Said dyes contain as the preliminary oxidation dye at least one diamino aniline of the general formula (I), in which R1 to R6 independently of each other are hydrogen, a (C1-C4) alkyl group, a hydroxy-(C2-C3)-alkyl group, a (C1-C4)-alkoxy-(C2-C3)-alkyl group, an amino-(C2-C3)-alkyl group in which the amino group can also have one or two (C1-C4)-alkyl radicals, or a 2,3-dihydroxypropyl group provided that not all substituents R1 to R6 are simultaneously hydrogen, and R1 and R2 and/or R3 and R4 and/or R5 and R6 along with the nitrogen atom to which they are attached are also an aziridine ring, an azetidine ring, a pyrrolidine ring, a piperidine ring, an azepane ring, an azocine ring or a morpholino group, thiomorpholino group or piperazino group which has another substituent R7 on the nitrogen atom which is selected from hydrogen, a (C1-C4) alkyl group, a hydroxy-(C2-C3)-alkyl group, a (C1-C4)-alkoxy-(C2-C3)-alkyl group, an amino-(C2-C3)-alkyl group or a 2,3-dihydroxypropyl group, and the three remaining hydrogen atoms on the benzol ring can also be replaced independently of each other by a halogen atom or a (C1-C4) alkyl group, or the physiologically tolerable salts thereof with inorganic and organic acids. Shades of colour are obtained which have a high level of brilliancy and colour fastness.

IPC 1-7  
**A61K 7/13**

IPC 8 full level  
**A61K 8/00** (2006.01); **A61K 8/41** (2006.01); **A61Q 5/02** (2006.01); **A61Q 5/10** (2006.01)

CPC (source: EP US)  
**A61K 8/411** (2013.01 - EP US); **A61Q 5/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 9801106A2

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9801106 A2 19980115; WO 9801106 A3 19980305**; EP 0912160 A2 19990506; JP 2000514073 A 20001024; US 2001005914 A1 20010705

DOCDB simple family (application)  
**EP 9703521 W 19970703**; EP 97931764 A 19970703; JP 50476498 A 19970703; US 21406299 A 19991208