

Title (en)  
AGENT FOR COLORING KERATIN FIBERS

Title (de)  
MITTEL ZUM FÄRBEN VON KERATINHALTIGEN FASERN

Title (fr)  
AGENT POUR COLORER DES FIBRES KERATINIQUES

Publication  
**EP 1432394 A1 20040630 (DE)**

Application  
**EP 02800572 A 20020925**

Priority  
• DE 10148842 A 20011004  
• EP 0210735 W 20020925

Abstract (en)  
[origin: DE10148842A1] Composition for dyeing keratin-containing fibers, especially human hair, comprises at least one dialkoxyalkyl-substituted pyridinium salt. Composition for dyeing keratin-containing fibers, especially human hair, comprises at least one dialkoxyalkyl-substituted pyridinium salt of formula (I). R<1> = H, 1-4C alkyl or (hetero)aryl; R<2>-R<5> = H, halo, 1-4C alkyl or (hydroxy)alkoxy, hydroxy, nitro, amino (optionally substituted by 1-4C alkyl) or 1-4C acyl, or any two of these groups together form 1-2 fused aromatic rings, or these groups together with R<1> can be part of a 5-7 membered ring; R<6> = 1-4C alkyl, aryl, aryl(1-4C)alkyl or heteroaryl; R<7>, R<8> = 1-4C alkyl, aryl, aralkyl or together with OCR<1>-X-O forms a 5-7 membered ring; X = direct bond, optionally substituted vinylenes, methylene or phenylene, and X may also be present on a fused aromatic ring; Y = benzene, p-toluene, (m)ethane or propane-sulfonate, perchlorate, (hydrogen)sulfate, chloride, bromide, iodide, tetrachlorozincate, methylsulfate, trifluoromethanesulfonate, hexafluorophosphate or tetrafluoroborate. An Independent claim is also included for 4- and 2-di(m)ethoxy-1-methylquinolinium p-toluenesulfonate as new compounds.

IPC 1-7  
**A61K 7/13**; **D06P 3/14**; **C07D 215/14**

IPC 8 full level  
**A61Q 5/10** (2006.01); **A61K 8/41** (2006.01); **A61K 8/49** (2006.01); **C07D 213/24** (2006.01); **C07D 215/12** (2006.01); **C07D 215/14** (2006.01); **D06P 3/14** (2006.01)

CPC (source: EP)  
**A61K 8/411** (2013.01); **A61K 8/4926** (2013.01); **A61Q 5/10** (2013.01); **C07D 213/24** (2013.01); **C07D 215/12** (2013.01); **C07D 215/14** (2013.01)

Citation (search report)  
See references of WO 03030846A1

Citation (examination)  
DE 1147582 B 19630425 - ADOLF CHRISTIAN JOSEF OPFERMAN

Designated contracting state (EPC)  
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