

Title (en)  
M-PHENYLENE DIAMINE COUPLING COMPONENTS

Title (de)  
M-PHENYLENDIAMIN-KUPPLERKOMPONENTEN

Title (fr)  
COMPOSES DE COUPLAGE M-PHENYLENE DIAMINE

Publication  
**EP 1748822 A1 20070207 (DE)**

Application  
**EP 05740500 A 20050503**

Priority  
• EP 2005004771 W 20050503  
• DE 102004026733 A 20040528

Abstract (en)  
[origin: WO2005117819A1] Disclosed is a substance for dyeing keratin fibers, particularly human hair, containing at least one m-phenylene diamine derivative of general formula (I) as a coupling component in a cosmetically acceptable carrier. In said formula (I), R<1>,< >R<2>,< >R<3>,< >R<4> independently represent H, C1-6 alkyl, C2-6 hydroxyalkyl, C2-6 alkoxyalkyl, C2-6 aminoalkyl, C2-10 alkylaminoalkyl, C3-12 dialkylaminoalkyl; R<5>, R<6> independently represent C1-6 alkyl which is optionally substituted by -OH, optionally OH-substituted C1-4 alkoxy, -NH2, - NHR, or -NR2, R independently representing optionally OH-substituted C1-4 alkyl; R<7> represents H, halogen or C1-6 alkoxy, C1-6 alkyl which are optionally substituted by -OH, optionally OH-substituted C1-4 alkoxy, -NH2, - NHR, -NR2, except on the C atom located closest to the aromatic core, R independently representing optionally OH-substituted C1-4 alkyl; X represents H, halogen, C1-6 alkoxy which is optionally substituted by -OH or C1-4 alkoxy; or salts thereof.

IPC 8 full level  
**A61K 8/41** (2006.01); **A61Q 5/10** (2006.01); **C07C 211/51** (2006.01)

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

Citation (search report)  
See references of WO 2005117819A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102004026733 A1 20051215**; EP 1748822 A1 20070207; WO 2005117819 A1 20051215

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**DE 102004026733 A 20040528**; EP 05740500 A 20050503; EP 2005004771 W 20050503