

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  
**A61Q 5/10** (2006.01); **A61K 8/41** (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

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