

Title (en)
NOVEL PHENYLENEDIAMINE DERIVATIVE COUPLING CONSTITUENTS

Title (de)
NEUE PHENYLENDIAMINDERIVAT-KUPPLERKOMPONENTEN

Title (fr)
NOUVEAUX COUPLEURS A BASE DE DERIVE DE PHENYLENEDIAMINE

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Abstract (en)
[origin: WO2004058206A1] The invention relates to agents for dyeing keratin fibres, especially human hair, said agents containing at least one m-phenylenediamine derivative of formula (I) in a cosmetically acceptable medium, as a coupling constituent. In said formula (I), R<1>, R<2>, R<3> and R<4> independently represent a hydrogen atom, a C1-C4 alkyl group, a C2-C4 monohydroxyalkyl group or a C3-C4 polyhydroxyalkyl group; R<5> represents a C1-C4 alkyl group; and X represents a group of formula (Ia), wherein R<6> represents a hydrogen atom, a hydroxy group or a C1-C4 alkoxy group; n represents a whole number between 2 and 6; and m represents a whole number between 2 and 4, provided that, if R<6> represents a hydrogen atom, m can also be 1. The inventive coupling constituents enable dyes to have a very high intensity of colour, very good wash fastness and a very good level dyeing capacity, especially when combined with p-tolylenediamine, 1-(2-hydroxyethyl)-2,5-diaminobenzene, 1-(2-hydroxyethyl)-4,5-diaminopyrazole, bis-(2-hydroxy-5-aminophenyl)methane and 4-amino-2-aminomethylphenol.

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