

Title (en)

METHOD AND DEVICE FOR DETERMINING A TARGET HAIR COLOR FOR AN ORIGINAL HAIR COLOR OF A HAIR REGION IN A DIGITAL IMAGE AFTER MODIFYING THE HAIR COLOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERMITTELN EINER ZIEL-HAARFARBE FÜR EINE URSPRUNGS-HAARFARBE EINES HAARBEREICHES IN EINEM DIGITALEN BILD NACH ERFOLGTER HAARFARBVERÄNDERUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER PAR ORDINATEUR UNE COULEUR DE CHEVEUX CIBLE POUR UNE COULEUR DE CHEVEUX D'ORIGINE D'UNE ZONE CAPILLAIRE DANS UNE IMAGE NUMERIQUE APRES MODIFICATION DE LA COULEUR DE CHEVEUX

Publication

**EP 1716542 B1 20100811 (DE)**

Application

**EP 05706768 A 20050218**

Priority

- DE 2005000282 W 20050218
- DE 102004008223 A 20040219

Abstract (en)

[origin: WO2005081190A1] According to the invention, hair colors are assigned to a plurality of hair color classes while a hair region is provided with pixels in a digital image, to which coding data that is coded according to the HLS color space is allocated, at least one predefined luminance value according to the hair color class being associated with each pixel in the hair color region of a hair color class in the HLS color space. Verification is made as to whether the original hair color and the target hair color are assigned to the same hair color class, and the original hair color coding data assigned to the original hair color is transformed, within the HLS color space, onto the target hair color coding data allocated to the target hair color in case the original hair color and the target hair color are assigned to different hair color classes while the at least one luminance value of the hair color class of the original hair color is replaced by the at least one luminance value of the hair color class of the target hair color.

IPC 8 full level

**G06T 11/00** (2006.01); **A45D 44/00** (2006.01); **A45D 19/00** (2006.01)

CPC (source: EP)

**A45D 19/0066** (2021.01); **A45D 44/005** (2013.01)

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)

**WO 2005081190 A1 20050901**; AT E477560 T1 20100815; DE 102004008223 A1 20050915; DE 502005010068 D1 20100923; EP 1716542 A1 20061102; EP 1716542 B1 20100811

DOCDB simple family (application)

**DE 2005000282 W 20050218**; AT 05706768 T 20050218; DE 102004008223 A 20040219; DE 502005010068 T 20050218; EP 05706768 A 20050218