

Title (en)
CONTRAST ENHANCEMENT OF IMAGES

Title (de)
KONTRASTVERSTÄRKUNG VON BILDERN

Title (fr)
AMÉLIORATION DE CONTRASTE D'IMAGES

Publication
EP 2347571 A2 20110727 (EN)

Application
EP 09787357 A 20091005

Priority
• IB 2009054336 W 20091005
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Abstract (en)
[origin: WO2010043996A2] An apparatus is arranged to perform contrast enhancement for one or more color images. The apparatus comprises an image source (101) which provides the color image having color values for image areas, where each image area may specifically correspond to a pixel. A contrast enhancement processor (103) performs contrast enhancement on the color image by modifying a luminance characteristic for at least some image areas in response to the color value for the image area. The contrast enhancement processor (103) may specifically generate compensated luminance values for pixels by normalizing luminance values relative to a nominal luminance value for the color of the pixels. A luminance contrast enhancement is then performed on the compensated luminance values. The approach may allow improved image quality and may in particular reduce introduction of unnatural shadowing effects due to color variations.

IPC 8 full level
H04N 1/60 (2006.01)

CPC (source: EP KR)
H04N 1/46 (2013.01 - KR); **H04N 1/60** (2013.01 - KR); **H04N 1/6027** (2013.01 - EP); **H04N 5/57** (2013.01 - KR); **H04N 9/64** (2013.01 - KR)

Citation (search report)
See references of WO 2010043996A2

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA RS

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