

Title (en)

Method for analyzing texture of digital image

Title (de)

Verfahren zur Analyse der Struktur eines Digitalbildes

Title (fr)

Procédé d'analyse de la texture d'une image numérique

Publication

EP 1672586 A8 20070228 (EN)

Application

EP 06075779 A 20000928

Priority

- EP 00308501 A 20000928
- US 15707799 P 19991001

Abstract (en)

[origin: EP1672587A2] A digital image texture analyzing method uses (302) the mean (μ_0) and variance (σ_0^2) of the pixel values of an original image. Further, $m \times n$ filtered images are obtained (304) by filtering the original image using predetermined filters, each having a unique combination of one of m scales and one of n orientations, where m and n are predetermined positive integers, and the means ($\mu_{11}, \mu_{21}, \dots, \mu_{mn}$) and variances ($\sigma_{11}^2, \sigma_{21}^2, \dots, \sigma_{mn}^2$) of the respective filtered images are calculated (306). The texture analyzing method allows image textures to be more accurately analyzed and compared for similarity, even when an image is rotated and/or enlarged or reduced relative to another image.

IPC 8 full level

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CPC (source: EP US)

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