

Title (en)

TEMPORAL NOISE REDUCTION AND LOCAL CONTRAST AMPLIFICATION

Title (de)

ZEITLICHE RAUSCHMINDERUNG UND LOKALE KONTRASTVERSTÄRKUNG

Title (fr)

REDUCTION TEMPORELLE DU BRUIT ET AMPLIFICATION LOCALE DES CONTRASTES

Publication

EP 1446768 A1 20040818 (DE)

Application

EP 01274867 A 20011119

Priority

DE 0104341 W 20011119

Abstract (en)

[origin: WO03049031A1] The invention relates to a method for processing images, wherein images scanned by at least one detector device are processed, and to a device for carrying out said method. According to the invention, an image is produced from a sequence of chronologically successive individual images by temporal averaging of said individual images. During a classification step of said method, structured image areas are identified in an image and high pass filtering occurs in another step of said method in the identified structured image areas of the resulting image. Temporal averaging enables detector noise to be reduced and subsequent high pass filtering, which is previously and selectively limited to structurally recognized images, increases the resolution virtually, thereby enhancing the overall image quality.

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