

Title (en)
METHOD FOR INSERTING A DIGITAL MARK INTO AN IMAGE, AND CORRESPONDING METHOD FOR DETECTING A DIGITAL MARK IN AN IMAGE TO BE ANALYSED

Title (de)
VERFAHREN ZUR EINFÜGUNG EINER DIGITALEN MARKIERUNG IN EIN BILD UND ENTSPRECHENDES VERFAHREN ZUR ERKENNUNG EINER DIGITALEN MARKIERUNG IN EINEM ZU ANALYSIERENDEN BILD

Title (fr)
PROCEDE D'INSERTION D'UNE MARQUE NUMERIQUE DANS UNE IMAGE, ET PROCEDE CORRESPONDANT DE DETECTION D'UNE MARQUE NUMERIQUE DANS UNE IMAGE A ANALYSER

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Application
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Abstract (en)
[origin: WO2013120850A1] The invention concerns a method for inserting a digital mark into an image, via an insertion device, comprising the following steps: application of a Fourier transform to said image, producing a two-dimensional Fourier spectrum; insertion of said mark into said Fourier spectrum, producing a modified Fourier spectrum; application of an inverse Fourier transform to said modified Fourier spectrum, producing a watermarked image. Said mark comprises watermark coefficients (wu,v)j each associated with a separate predetermined position (u, v) of a given quadrant from the quadrants of the Fourier domain, whereof the spectral coordinates u and v, measured along the two coordinate axes of the given quadrant and starting from the continuous component, and expressed as a percentage of dimensions U and V of the given quadrant, are such that: $u > 66\% \times U$ and $v > 66\% \times V$. The set of positions associated with said watermark coefficients define a predetermined convex pattern in the given quadrant.

IPC 8 full level
G06T 1/00 (2006.01)

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Citation (search report)
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