

Title (en)

ANALYSIS OF THE DIGITAL IMAGE OF THE SURFACE OF A TYRE AND PROCESSING OF NON-MEASUREMENT POINTS

Title (de)

ANALYSE DES DIGITALBILDES EINER REIFENFLÄCHE UND VERARBEITUNG VON NICHT-MESSPUNKTEN

Title (fr)

ANALYSE DE L'IMAGE NUMERIQUE DE LA SURFACE D'UN PNEUMATIQUE - TRAITEMENT DES POINTS DE NON MESURE

Publication

**EP 2700051 A1 20140226 (FR)**

Application

**EP 12710714 A 20120321**

Priority

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- EP 2012055015 W 20120321

Abstract (en)

[origin: WO2012143197A1] The invention relates to a method for processing the three-dimensional digital image of the surface of a tyre, in which the three-dimensional image of the surface is captured, with each pixel of the acquired image being assigned a grey scale value proportional to the elevation of the corresponding point in relation to the surface to be inspected, said pixels being disposed in rows and columns. The method includes the following steps consisting in: finding the zones (6) of the surface to be inspected that comprise pixels having a grey scale value below a given threshold; determining the boundaries of a bounding box (7) comprising one or more zones (6) of pixels having a grey scale value below a given threshold; and, inside the bounding box, assigning each of the pixels having a grey scale value below a given threshold with a grey scale value equal to the average grey scale value of a set of reference pixels (Kij, si) placed in a zone immediately next to the pixel in question.

IPC 8 full level

**G06T 5/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2012143197A1

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