

Title (en)
ANALYSIS OF THE DIGITAL IMAGE OF THE EXTERNAL SURFACE OF A TYRE AND PROCESSING OF FALSE MEASUREMENT POINTS

Title (de)
ANALYSE VON DIGITALEN BILDERN DER ÄUSSEREN FLÄCHE EINES REIFENS UND VERARBEITUNG FALSCHER MESSPUNKTE

Title (fr)
ANALYSE DE L'IMAGE NUMERIQUE DE LA SURFACE EXTERNE D'UN PNEUMATIQUE - TRAITEMENT DES POINTS DE FAUSSE MESURE

Publication
EP 2700050 A1 20140226 (FR)

Application
EP 12710502 A 20120321

Priority
• FR 1153345 A 20110418
• EP 2012055016 W 20120321

Abstract (en)
[origin: WO2012143198A1] 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 and each pixel of the plane of the image is assigned a datum relating to the elevation of this point in relation to the surface to be inspected. The method is characterised in that, with the aid of a morphological operator using a structuring element, a first transformation of the surface is performed, by means of opening followed by closing, such as to adjust the grey scale of pixels located abnormally above or below the surface to be inspected.

IPC 8 full level
G06T 5/00 (2006.01); **G06T 5/30** (2006.01)

CPC (source: EP US)
G01M 17/027 (2013.01 - EP US); **G06T 3/10** (2024.01 - US); **G06T 5/30** (2013.01 - EP US); **G06T 5/70** (2024.01 - EP US); **G06T 7/001** (2013.01 - US); **G01N 21/952** (2013.01 - EP US); **G06T 2207/10028** (2013.01 - EP US); **G06T 2207/20036** (2013.01 - EP US); **G06T 2207/30108** (2013.01 - US); **G06T 2207/30164** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 2974219 A1 20121019; BR 112013024106 A2 20161220; CN 103649989 A 20140319; CN 103649989 B 20161214; EP 2700050 A1 20140226; JP 2014517265 A 20140717; US 2014307941 A1 20141016; US 9230318 B2 20160105; WO 2012143198 A1 20121026

DOCDB simple family (application)
FR 1153345 A 20110418; BR 112013024106 A 20120321; CN 201280019364 A 20120321; EP 12710502 A 20120321; EP 2012055016 W 20120321; JP 2014505558 A 20120321; US 201214112448 A 20120321