

Title (en)

METHOD FOR DETECTING TARGETS IN STEREOSCOPIC IMAGES

Title (de)

VERFAHREN FÜR DIE ERKENNUNG VON TARGETS BEI STEREOSKOPISCHEN BILDERN

Title (fr)

PROCEDE DE DETECTION DE CIBLES DANS DES IMAGES STEREOSCOPIQUES

Publication

**EP 2556467 A1 20130213 (FR)**

Application

**EP 11713292 A 20110411**

Priority

- FR 1052721 A 20100409
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Abstract (en)

[origin: WO2011124719A1] The present invention relates to a method for detecting a target present in at least two images of a single scene recorded by separate cameras. The method comprises a preliminary step of learning targets under setup conditions. The method also includes a simultaneous step of, under operating conditions, classifying objects present in the images, the target being considered detected once the object is classified as being one of the targets learned during the learning step. The classification step includes a step of adapting at least one of the images to the setup conditions under which the learning step took place. The invention can be used for monitoring, assistance and security using stereoscopic images.

IPC 8 full level

**G06V 10/147** (2022.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2011124719A1

Citation (examination)

- MATHIAS PERROLLAZ ET AL: "A Three Resolution Framework for Reliable Road Obstacle Detection using Stereovision", MACHINE VISION AND APPLICATIONS, 16 May 2007 (2007-05-16), pages 671212, XP055501642
- LLORCA D R ET AL: "An Experimental Study on Pitch Compensation in Pedestrian-Protection Systems for Collision Avoidance and Mitigation", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, IEEE, PISCATAWAY, NJ, USA, vol. 10, no. 3, 1 September 2009 (2009-09-01), pages 469 - 474, XP011347185, ISSN: 1524-9050, DOI: 10.1109/TITS.2009.2018958

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