

Title (en)  
METHOD FOR DETECTING OBJECTS

Title (de)  
VERFAHREN ZUR OBJEKTDETEKTION

Title (fr)  
PROCÉDÉ DE DÉTECTION D'OBJETS

Publication  
**EP 2396746 A2 20111221 (DE)**

Application  
**EP 10703018 A 20100204**

Priority  
• EP 2010000671 W 20100204  
• DE 102009009047 A 20090216

Abstract (en)  
[origin: WO2010091818A2] The invention relates to a method for detecting objects, wherein two images of a surrounding (1) are taken and a disparity image is determined by means of stereo image processing, wherein a depth map of the surrounding (1) is determined from the determined disparities, wherein a free space delimiting line (2) is identified, delimiting an unobstructed region of the surrounding (1), wherein outside and along the free space delimiting line (1) the depth card is segmented by segments (3) of a suitable width formed by pixels of the same or similar distance to an image plane, wherein a height of each segment (3) is estimated as part of an object (4.1 to 4.6) located outside of the unobstructed region in a way, such that each segment (3) is characterized by the two-dimensional position of the base (for example the distance and angle to the longitudinal axis of the vehicle) and the height thereof.

IPC 8 full level  
**G06K 9/00** (2006.01)

CPC (source: EP US)  
**G06V 20/58** (2022.01 - EP US)

Citation (search report)  
See references of WO 2010091818A2

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009009047 A1 20100819**; CN 102317954 A 20120111; CN 102317954 B 20140924; EP 2396746 A2 20111221;  
US 2011311108 A1 20111222; US 8548229 B2 20131001; WO 2010091818 A2 20100819; WO 2010091818 A3 20111020

DOCDB simple family (application)  
**DE 102009009047 A 20090216**; CN 201080007837 A 20100204; EP 10703018 A 20100204; EP 2010000671 W 20100204;  
US 201013201241 A 20100204