

ABSTRACT**DEVICE FOR DETECTING AN OBSTACLE BY MEANS OF
INTERSECTING PLANES AND DETECTION METHOD USING SUCH A
DEVICE**

The invention relates to an obstacle detection device (10) which is intended to be fitted to a mobile vehicle (11) able to move parallel to a reference plane (12). According to the invention, the device (10) comprises:

- at least two emitters (14, 16, 19, 32, 34, 35) of electromagnetic beams (15, 17, 20, 27, 30, 31) which are able to form two virtual planes (22, 23, 24, 26, 28, 29) in two different directions that are able to intersect one another and intersect a potential obstacle,
- at least one image sensor (5, 6, 7) able to produce an image of the intersection of the virtual planes (22, 23, 24, 26, 28, 29) and of the potential obstacle,
- an image analysis means able to determine the presence of an obstacle, configured to compare the image with a reference image.

The invention also relates to a detection method employing such a device.

Figure to be published: Fig. 1