

Title (en)
DEVICE FOR DETECTING THE PRESENCE AND DIRECTION OF PASSAGE OF MOBILES AND PERSONS WITH THE VIEW TO COUNTING THEM

Title (de)
VORRICHTUNG ZUM ERFASSEN DER GEGENWART UND DER PASSIERRICHTUNG VON BEWEGLICHEN GEGENSTÄNDEN UND PERSONEN MIT DER ABSICHT, DIESE ZU ZÄHLEN

Title (fr)
DISPOSITIF DE DETECTION DE PRESENCE ET DE SENS DE PASSAGE DE MOBILES ET DE PERSONNES EN VUE DU COMPTAGE

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Application
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Abstract (en)
[origin: WO9722089A1] The device of the invention provides for the detection of the presence and the direction of passage of mobiles, with a view to their counting, without requiring ground infrastructure. The device comprises two emitters of the infrared diode type (1 and 4). A mobile cutting the beam emitted by the first infrared emitter (1) reflects said beam. A signal is then received by the first reception element (3). The mobile continuing its displacement cuts the beam emitted by the second infrared emitter (4). A signal is then received by the second receiver element (2). The chronology of the signals received by the receiver elements enables to determine the direction of passage of the mobiles. An electronic embodiment provides for the control of emission elements (1 and 4) and the processing of the signals received by the receiver elements (2 and 3), with a view to counting the mobiles. The device of the invention is particularly intended to the counting of persons coming in and going out of transport means (underground, train, bus) or in a public or private place, to the counting of objects conveyed on a conveyor belt, as well as to the counting of vehicles.

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