

Title (en)

SYSTEM FOR DETECTING THE PRESENCE AND DIRECTION OF A PEDESTRIAN OR CYCLIST MOVEMENT

Title (de)

SYSTEM ZUR ERKENNUNG DER ANWESENHEIT UND DER RICHTUNG EINER FUSSGÄNGER- ODER RADFAHRERBEWEGUNG

Title (fr)

SYSTÈME DE DÉTECTION DE LA PRÉSENCE ET DE LA DIRECTION D'UN MOUVEMENT DE PIÉTON OU DE CYCLISTE

Publication

EP 4113475 A1 20230104 (EN)

Application

EP 21182954 A 20210630

Priority

PT 11731421 A 20210629

Abstract (en)

The present disclosure relates to a system for detecting movement of a pedestrian or cyclist comprising: a bendable plate for arranging on a pavement; two pressure sensors for detecting bending of the bendable plate under pedestrian or cyclist weight, each said sensor being placed under a distinct region of the bendable plate; a control unit comprising an electronic data processor configured to detect a pedestrian or cyclist approaching a crosswalk by: receiving pressure signals from said sensors; identifying the direction of the movement of the pedestrian or cyclist by determining which sensor detects bending first. The disclosure also relates to a method for operating a system for detecting movement of a pedestrian or cyclist.

IPC 8 full level

G08G 1/005 (2006.01)

CPC (source: EP)

G08G 1/005 (2013.01); **G08G 1/02** (2013.01); **G08G 1/056** (2013.01); **G08G 1/095** (2013.01)

Citation (applicant)

- EP 1775692 A2 20070418 - TEMPLE BALLS S L [ES]
- EP 2141676 A1 20100106 - HERNANDEZ GONZALEZ ANA MARIA [ES], et al
- US 6384742 B1 20020507 - HARRISON MICHAEL A [US]
- US 2020199832 A1 20200625 - LANGFORD HARRIET ANDERSON [US], et al

Citation (search report)

- [A] AU 2010201018 A1 20101007 - FAIRMAN GARY LLOYD MR [AU]
- [A] EP 2230654 A2 20100922 - DOMINGUEZ DIEZ JAVIER [ES], et al
- [A] CN 206726461 U 20171208 - TAN HAOFU, et al

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4113475 A1 20230104

DOCDB simple family (application)

EP 21182954 A 20210630