

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)

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BA ME

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