

Title (en)

LOW POWER POSITION DETECTING SYSTEM

Title (de)

POSITIONSERKENNUNGSSYSTEM MIT NIEDRIGER LEISTUNG

Title (fr)

SYSTÈME DE DÉTECTION DE POSITION À BASSE PUISSANCE

Publication

EP 3090419 A1 20161109 (EN)

Application

EP 14833589 A 20141219

Priority

- GB 201400055 A 20140103
- GB 2014053797 W 20141219

Abstract (en)

[origin: WO2015101780A1] A position detection system having outstation readers (mounted for example on the side of a lorry) for detecting a signal from a transmitter tag (mounted for example on a bicycle) wherein the outstation readers can power down to reduce power consumption if there are no transmitter tags in the vicinity. A coordinator reader is preferably employed as an initial 'coarse' detector of transmitter tags (in that it detects that they are in the general vicinity without needing to detect precise location by means of e.g. signal strength) and can then be used to activate the outstation readers when needed which are used as 'fine-grained' detectors to detect transmitter location. The system can cope with changing numbers of transmitter tags with independent asynchronous transmission cycles and will minimise the power consumption of the outstation readers in real time.

IPC 8 full level

G08G 1/16 (2006.01)

CPC (source: EP US)

G08G 1/163 (2013.01 - EP); **G08G 1/167** (2013.01 - EP); **H04W 4/023** (2013.01 - EP US); **H04W 4/80** (2018.01 - EP US); **G08G 1/166** (2013.01 - EP); **Y02D 30/70** (2020.08 - EP)

Citation (search report)

See references of WO 2015101780A1

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

DOCDB simple family (publication)

WO 2015101780 A1 20150709; EP 3090419 A1 20161109; GB 201400055 D0 20140219

DOCDB simple family (application)

GB 2014053797 W 20141219; EP 14833589 A 20141219; GB 201400055 A 20140103