

Title (en)

LED-TYPE LUMINOUS SIGNALING DEVICE AND RELATIVE CONTROL METHOD

Title (de)

LED-LEUCHTSIGNALVORRICHTUNG UND ZUGEHÖRIGES STEUERVERFAHREN

Title (fr)

DISPOSITIF LUMINEUX DE SIGNALISATION DU TYPE À DELS ET MÉTHODE DE COMMANDE ASSOCIÉE

Publication

EP 2488401 B1 20130807 (EN)

Application

EP 10798582 A 20101015

Priority

- IT UD20090184 A 20091016
- IB 2010002625 W 20101015

Abstract (en)

[origin: WO2011045663A1] LED-type luminous signaling device comprising one or more LED-type luminous emission sources (16) and at least a light-directing lens (14) able to diffuse the luminous radiation emitted by a corresponding LED-type luminous emission source (16) in at least one signaling direction. The light-directing lens (14) is conformed so as to define at least an interception portion (18) suitable to divert a predefined fraction of total luminous radiation emitted by each LED-type luminous emission source (16) in one or more control directions, different from the signaling direction, wherein the signaling device comprises optical detection means (17) disposed coherently with the control direction so as to detect said predefined fraction of luminous radiation diverted by the interception portion (18).

IPC 8 full level

B61L 5/18 (2006.01)

CPC (source: EP)

B61L 5/1845 (2013.01); **B61L 5/1881** (2013.01); **B61L 2207/02** (2013.01)

Cited by

EP3480078A1; GB2566213A; AU2016412473B2; GB2566213B; US11161532B2; WO2018004513A1; EP3480078B1

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

DOCDB simple family (publication)

WO 2011045663 A1 20110421; EP 2488401 A1 20120822; EP 2488401 B1 20130807; EP 2488401 B2 20170712; IT 1396088 B1 20121109; IT UD20090184 A1 20110417

DOCDB simple family (application)

IB 2010002625 W 20101015; EP 10798582 A 20101015; IT UD20090184 A 20091016