

Title (en)
SYMBOL INDICATOR

Title (de)
SYMBOLANZEIGER

Title (fr)
INDICATEUR DE SYMBOLE

Publication
EP 2539877 B1 20170830 (DE)

Application
EP 11706506 A 20110221

Priority
• DE 102010009429 A 20100224
• EP 2011052517 W 20110221

Abstract (en)
[origin: WO2011104205A1] The invention relates to a symbol indicator, in particular for rail-bound traffic routes, comprising LED modules (1) for the pixelated vision of the symbol, and optical elements associated with the LED modules (1) are placed on a front plate (3). The aim of the invention is to effectively protect against incident extraneous light on said indicator such that the LED modules (1) are arranged at an inclined angle (a) with respect to the front plate (3) and that the optical elements are embodied as collimator lenses (4).

IPC 8 full level
G09F 9/33 (2006.01); **G09F 13/22** (2006.01)

CPC (source: EP)
G09F 9/33 (2013.01); **G09F 13/22** (2013.01)

Citation (examination)
EP 1352544 A2 20031015 - GELCORE LLC [CA]

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)
DE 102010009429 A1 20110825; DK 2539877 T3 20171009; EP 2539877 A1 20130102; EP 2539877 B1 20170830; ES 2649397 T3 20180111; NO 2539877 T3 20180127; WO 2011104205 A1 20110901

DOCDB simple family (application)
DE 102010009429 A 20110224; DK 11706506 T 20110221; EP 11706506 A 20110221; EP 2011052517 W 20110221; ES 11706506 T 20110221; NO 11706506 A 20110221