

Title (en)
LED light source for a dwarf signal

Title (de)
LED-Lichtquelle für ein Zwergsignal

Title (fr)
Source de lumière LED pour un signal ferroviaire

Publication
EP 2628652 B1 20140430 (DE)

Application
EP 12155370 A 20120214

Priority
EP 12155370 A 20120214

Abstract (en)
[origin: EP2628652A1] The arrangement has a lamp provided with an LED base (1) in a plexiglass pipe by LED sources (6). The light is emitted by a collimator lens (2) and passed to a front lens (19) of the lamp through a dull disk (10). A control logic (11) supplies electrical power around the LED sources, and is connected with an energy balance (18) for modeling power consumption of an incandescent lamp, where energy supplied to a load resistor (20) i.e. load resistor ring, is not required for the LED sources arranged outside of a dwarf signal.

IPC 8 full level
B61L 5/18 (2006.01); **F21V 19/04** (2006.01); **G08G 1/095** (2006.01)

CPC (source: EP US)
B61L 5/1845 (2013.01 - EP); **B61L 5/1881** (2013.01 - EP); **F21V 23/003** (2013.01 - EP US); **F21V 23/0457** (2013.01 - EP); **B61L 2207/02** (2013.01 - EP); **F21W 2111/02** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by
DE102018129359A1; WO2020104468A1

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

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