

Title (en)
SIGNAL DEVICE WITH LIGHT MODULE

Title (de)
SIGNALGERÄT MIT LEUCHTMODUL

Title (fr)
INSTRUMENT DE SIGNALISATION AVEC MODULE D'ÉCLAIRAGE

Publication
EP 3174021 B1 20190918 (DE)

Application
EP 16181041 A 20160725

Priority
DE 102015120280 A 20151124

Abstract (en)
[origin: US2017148283A1] An optical signaling device, in particular a signal pillar (1) of modular construction or similar with at least one first exchangeable light module (3) comprising at least one light element (10) is proposed for optical indication of one or more different operating states of a technical device (2) such as a machine, a plant, a vehicle or similar, wherein the first light module (3) comprises at least one first circuit board (11) oriented essentially in direction of a longitudinal axis (8) of the signaling device with the at least one first light element (10) and electrical components, wherein at least one contact (32) is provided between at least one first detachably contactable electrical contact surface (19) and a second electrical contact surface (18) of an adjacently arranged module (3, 4, 5, 6, 7) configured as a second light module (3) and/or as a holding module (5) and/or as a base module (6) for holding and connecting the signaling device at an operating position, wherein the adjacently arranged module (3, 4, 5, 6, 7) comprises at least one second circuit board (11) oriented essentially in direction of the longitudinal axis (8), which meets stringent requirements as regards the contacting between two adjacent modules and at the same time the constructional expenditure and/or realizes an improved energy/power supply of the modules. According to the invention this is achieved in that at least the two electrical contact surfaces (18, 19) of the contact (32), which can be detachably contacted with each other, are arranged between the first circuit board (11) and the second circuit board (11) in direction of the longitudinal axis (8).

IPC 8 full level
G08B 5/36 (2006.01); **F21V 23/06** (2006.01)

CPC (source: CN EP US)
F21V 19/003 (2013.01 - EP US); **F21V 23/001** (2013.01 - EP US); **F21V 23/06** (2013.01 - EP US); **G08B 5/36** (2013.01 - CN EP US); **G08B 7/06** (2013.01 - US); **F21W 2111/00** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by
EP4325116A1; EP4209635A3; DE102022120552A1

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)
EP 3174021 A1 20170531; **EP 3174021 B1 20190918**; CN 106971472 A 20170721; CN 106971472 B 20190628;
DE 102015120280 A1 20170524; JP 2017098252 A 20170601; JP 6389226 B2 20180912; US 10134246 B2 20181120;
US 2017148283 A1 20170525

DOCDB simple family (application)
EP 16181041 A 20160725; CN 201611031870 A 20161122; DE 102015120280 A 20151124; JP 2016228220 A 20161124;
US 201615359565 A 20161122