

Title (en)

SIGNALLING APPARATUS FOR COMMAND AND/OR REPORTING DEVICES

Title (de)

SIGNALISIERUNGSVORRICHTUNG FÜR BEFEHLS- UND/ODER MELDEGERÄTE

Title (fr)

DISPOSITIF DE SIGNALISATION POUR DES APPAREILS DE COMMANDE ET/OU DE SIGNALISATION

Publication

EP 3274627 B1 20190626 (DE)

Application

EP 16715469 A 20160317

Priority

- DE 102015104273 A 20150323
- EP 2016055764 W 20160317

Abstract (en)

[origin: WO2016150803A1] The invention relates to a signalling apparatus (1) for command and/or reporting devices, comprising a base unit (5) having at least two light sources (2a, 2b, 2c) each for producing light, arranged spaced apart from one another on the base unit (5), and at least two light modules (3a, 3b, 3c), which are stacked along a main axis (A) of the signalling apparatus (1) and are operatively connected to the light sources (2a, 2b, 2c). The light generated by the light sources (2a, 2b, 2c) is coupled into the light modules (3a, 3b, 3c) in a beam direction (R1, R2, R3) parallel to the main axis (A). The light modules (3a, 3b, 3c) each have a reflection region (6a, 6b, 6c) in order to at least partially reflect light coupled into the light modules (3a, 3b, 3c) in a signalling direction (S1, S2, S3). According to the invention, a respective reflection region (6a, 6b, 6c) captures only a partial region (T) of the light modules (3a, 3b, 3c) in the circumferential direction (U) of the corresponding light module (3a, 3b, 3c) perpendicular to the main axis (A) of the signalling apparatus (1), which partial region is smaller than the total circumference of the light modules (3a, 3b, 3c). In addition, a reflection region (6a, 6b, 6c) of a light module (3a, 3b, 3c) is arranged offset relative to a reflection region (6a, 6b, 6c) of another light module (3a, 3b, 3c) at a predetermined angle (W1, W2) perpendicular to the main axis (A). The reflection regions (6a, 6b, 6c) are at the same radial distance (r) from the main axis (A).

IPC 8 full level

F21S 8/00 (2006.01); **F21V 7/00** (2006.01); **G08B 5/36** (2006.01); **F21W 111/00** (2006.01); **F21Y 113/10** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)

F21S 8/00 (2013.01 - EP US); **F21V 7/0066** (2013.01 - US); **G08B 5/36** (2013.01 - US); **F21W 2111/00** (2013.01 - EP US);
F21Y 2113/10 (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

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 102015104273 A1 20160929; CN 107636384 A 20180126; CN 107636384 B 20191224; EP 3274627 A1 20180131;
EP 3274627 B1 20190626; PL 3274627 T3 20191129; US 10436417 B2 20191008; US 2018142864 A1 20180524; WO 2016150803 A1 20160929

DOCDB simple family (application)

DE 102015104273 A 20150323; CN 201680028407 A 20160317; EP 16715469 A 20160317; EP 2016055764 W 20160317;
PL 16715469 T 20160317; US 201615560486 A 20160317