

Title (en)
Traffic light luminaire with colour stabilization

Title (de)
Ampelleuchte mit Farbstabilisierung

Title (fr)
Feu de circulation avec stabilisation de la couleur

Publication
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Application
EP 12172424 A 20120618

Priority
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Abstract (en)
A traffic light luminaire (11; 31; 51, 52), in particular a railway traffic light luminaire, with - a plurality of solid state light sources (12a-12e; 32a-32e), comprising a plurality of types (13-15; 33-35) of solid state light sources having different colours of emitted light, - at least one light detector (16, 17; 36-41), and - a control device (18; 42), is characterized in that for a mixed operation mode, the control device (18; 42) is adapted to simultaneously operate at least two of said solid state light sources (12a-12e; 32a-32e), comprising at least two of said types (13-15; 33-35), such that a mixed colour light (19; 43) is generated, wherein the control device (18; 42) is adapted to maintain a luminous intensity of the solid state light sources (12a-12e; 32a-32e) of each of said at least two types (13-15; 33-35), as determined by means of the at least one light detector (16, 17; 36-41), at a predetermined intensity level for said type. The invention presents a traffic light luminaire, based on solid state light sources, which makes a broader range of colours available and allows keeping a selected color, corresponding to a particular signal state to be indicated, and its luminous intensity in a reliable way.

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Citation (applicant)
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• WO 0037904 A1 20000629 - KONINKL PHILIPS ELECTRONICS NV [NL]
• US 7950832 B2 20110531 - TANAKA KENICHIRO [JP], et al

Citation (search report)
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• [X] DE 102007036978 A1 20090212 - TRIDONICATCO GMBH & CO KG [AT]
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