

Title (en)

LED arrangement for light signal emitter for railway level-crossings, light signal emitter for railway level-crossings with such an LED arrangement and method of operating the LED arrangement

Title (de)

LED-Anordnung für Lichtsignalgeber für Bahnübergänge, Lichtsignalgeber für Bahnübergänge mit einer solchen LED-Anordnung sowie Verfahren zum Betreiben der LED-Anordnung

Title (fr)

Agencement DEL pour émetteurs de signaux lumineux pour passages à niveaux, émetteur de signaux lumineux pour passages à niveaux dotés d'un tel dispositif DEL et procédé de fonctionnement d'un dispositif DEL

Publication

**EP 1992542 B1 20110216 (DE)**

Application

**EP 08103862 A 20080507**

Priority

DE 102007021836 A 20070507

Abstract (en)

[origin: EP1992542A2] The arrangement has two strands of high performance-LEDs (32, 34) connected in series, where the LEDs are arranged on a common circuit board such that the LEDs of one strand produce same light distribution as the LEDs of the other strand. The strands separated from each other are supplied with current to activate the LEDs in the respective strands. A monitoring unit monitors current flowing in the strands and voltage flowing to the strands. A control unit is provided for automatic change over to another strand during failure of the working strand or the LED of the working strand. An independent claim is also included for a method for operating an LED arrangement.

IPC 8 full level

**B61L 29/28** (2006.01)

CPC (source: EP US)

**B61L 5/1881** (2013.01 - EP); **B61L 9/04** (2013.01 - EP); **B61L 29/28** (2013.01 - EP US); **H05B 45/54** (2020.01 - EP US); **H05B 47/29** (2020.01 - EP US); **B61L 2207/02** (2013.01 - EP)

Cited by

DE102014107947A1; DE102014113225A1; DE102012106630A1; DE102014110700A1; DE102016124265A1; DE102014119623A1; DE102014113226B3; EP2979954A3; DE102013110838B3; EP2866524A3; EP2979955A3; EP2979953A1; DE102015112403A1; EP2966939A1; EP2911477A1; DE102014102412A1; EP2995528A1; DE202013103303U1; EP2687418A2; EP2979954A2; DE102015112404A1; EP3002174A1; EP2866524A2; EP2979955A2

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