

Title (en)  
Combined LED light-emitting module of a marking panel

Title (de)  
Kombiniertes LED-Licht-emittierendes Modul einer Markierungstafel

Title (fr)  
Module électroluminescent combiné de panneau de marqueur

Publication  
**EP 2367165 A1 20110921 (EN)**

Application  
**EP 10002748 A 20100316**

Priority  
EP 10002748 A 20100316

Abstract (en)  
The present invention provides a combined LED light-emitting module of marking panel, which comprising: a rail-mounted rack, extended longitudinally; the rail-mounted rack contains a locating portion for positioning onto the marking panel, and an assembly portion extended along the rail-mounted rack; a plurality of LED light-emitting units, mounted onto the assembly portion of the rail-mounted rack in sequence or at interval; the LED light-emitting unit contains a support pedestal, a light-emitting faceplate, a circuit board and at least a light-emitting component on the circuit board; the light-emitting faceplate is sealed into the holding space of the support pedestal; the circuit board is mounted into the holding space; and the light-emitting component is allowed to face the light-emitting faceplate; the circuit board is sealed by waterproof element; a limiter, used to limit securely the LED light-emitting units; a quick-release electrical connector, protruded from the back board of the support pedestal of the LED light-emitting unit; it contains male and female conductive contacts that can be quickly removed and assembled; with this design, the LED light-emitting unit of the marking panel and the electrical connector can be assembled, disassembled and replaced more conveniently and efficiently with improved applicability and industrial benefits.

IPC 8 full level  
**G09F 9/33** (2006.01)

CPC (source: EP)  
**G09F 9/33** (2013.01)

Citation (search report)  
• [XAYI] US 6150996 A 20001121 - NICHOLSON TIMOTHY J [US], et al  
• [IAY] US 2009009998 A1 20090108 - MALSTROM CHARLES RANDALL [US], et al  
• [Y] US 5276598 A 19940104 - HEDENSTROEM CURT U [SE], et al

Cited by  
CN112854041A; CN105864692A; CN105351813A; CN116153208A

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA ME RS

DOCDB simple family (publication)  
**EP 2367165 A1 20110921**

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**EP 10002748 A 20100316**