

Title (en)  
LIGHT EMITTING DIODE ASSEMBLY

Title (de)  
LEUCHTDIODENANORDNUNG

Title (fr)  
ENSEMBLE DIODES ÉLECTROLUMINESCENTES

Publication  
**EP 3876674 A1 20210908 (EN)**

Application  
**EP 21158852 A 20210224**

Priority  
SE 2050248 A 20200305

Abstract (en)  
A light emitting diode (LED) assembly (2) comprising a LED module (4) that comprises at least one LED, and a high voltage circuitry (6), to receive power supply from a high voltage source and to convert and supply energy to drive said at least one LED, said LED module (4) has a flat and thin extension. The LED assembly (2) comprises:-A connector unit (8) provided with connector pins (10), and a functional module receiving recess (12) shaped and structured to receive and releasably attach a functional module (14) by mechanical cooperation with said functional module (14). The recess (12) is shaped and structured such that said connector pins (10) are positioned to be connected to connecting members (18) of said functional module (14).-A set of at least two functional modules (14), each functional module within the set has a unique function available when said functional module (14) is connected to said LED module (4). All functional modules (14) of said set have identically shaped module housings (20) provided with connecting members (18) being configured to receive supply energy to said functional module (14), and to establish bi-directional communication between said LED module (4) and said functional module (14).

IPC 8 full level  
**H05B 45/00** (2020.01); **H05B 47/18** (2020.01); **H05B 47/19** (2020.01)

CPC (source: EP SE)  
**F21V 23/003** (2013.01 - SE); **H05B 45/00** (2020.01 - EP); **H05B 47/10** (2020.01 - SE); **H05B 47/18** (2020.01 - EP); **H05B 47/19** (2020.01 - EP); **H05B 47/196** (2024.01 - SE)

Citation (applicant)  
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• US 2015289349 A1 20151008 - KIM DAE HUN [KR]  
• US 2019014642 A1 20190110 - CHEN CHIA-TEH [TW]  
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Citation (search report)  
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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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3876674 A1 20210908**; SE 2050248 A1 20210906; SE 545023 C2 20230228

DOCDB simple family (application)  
**EP 21158852 A 20210224**; SE 2050248 A 20200305