

Title (en)  
LAMP AND CORRESPONDING METHOD

Title (de)  
LAMPE UND ENTSPRECHENDES VERFAHREN

Title (fr)  
LAMPE ET PROCÉDÉ CORRESPONDANT

Publication  
**EP 3828461 A1 20210602 (EN)**

Application  
**EP 20206881 A 20201111**

Priority  
IT 201900022149 A 20191126

Abstract (en)  
A solid-state lamp (10) for vehicles comprises: a housing (12) extending in a longitudinal direction (X12) between opposed electrically conductive end caps (14), with a light-permeable portion (16) of the housing between the end caps (14), a solid-state light source (18), e.g. a LED source (182), arranged at the light-permeable portion (16) of the housing (12), electrically-conductive support formations (22) between the end caps (14) and the light source (18), the support formations (22) being configured to support the light source (18) and to provide a power supply path between the end caps (14) through the light source (18). The lamp (10) comprises at least one spring-like element (100) having a length (L) in said longitudinal direction (X12) and being deformable to vary its length (L) in the longitudinal direction (X12) so as to be able to absorb deformation stresses caused by thermal cycles.

IPC 8 full level  
**F21K 9/278** (2016.01); **B60Q 1/02** (2006.01); **F21S 41/148** (2018.01); **F21Y 103/10** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP)  
**F21K 9/278** (2016.07); **F21S 43/14** (2017.12); **F21S 43/15** (2017.12); **F21S 43/195** (2017.12); **F21Y 2103/10** (2016.07); **F21Y 2115/10** (2016.07)

Citation (applicant)  
US 2018266636 A1 20180920 - BARP MARCO [IT], et al

Citation (search report)  
• [X] JP 2004241191 A 20040826 - KOITO MFG CO LTD  
• [A] KR 20090008551 U 20090826  
• [AD] US 2018266636 A1 20180920 - BARP MARCO [IT], et al

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 3828461 A1 20210602**; **EP 3828461 B1 20231227**; IT 201900022149 A1 20210526

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