

Title (en)
Tubular lamp with improved light distribution

Title (de)
Röhrenlampe mit verbesserter Lichtverteilung

Title (fr)
Lampe tubulaire à meilleure répartition de lumière

Publication
EP 2749813 B1 20160824 (DE)

Application
EP 13197677 A 20131217

Priority
• DE 102012224503 A 20121228
• DE 102013213572 A 20130711

Abstract (en)
[origin: EP2749813A1] The lamp has an LED module (2) arranged in lighting tubes (1, 3). Photo-end layers are provided for optical and/or spectral influencing of the LED module that emits light on an outer surface of the lighting tubes. The photo-end layers are coated with phosphor or painted with phosphorus. A diffuser is arranged on the outer surface of the first lighting tube. The photo-end layers comprise a shrink wrapping film that is wrapped around the lighting tube, where the film is made from polymer and provided with phosphorus particles and litter particle. An independent claim is also included for a method for manufacturing a tube lamp.

IPC 8 full level
F21K 9/27 (2016.01); **F21K 9/64** (2016.01); **F21V 3/04** (2006.01); **F21V 9/16** (2006.01); **F21V 9/40** (2018.01); **F21Y 103/00** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)
F21K 9/64 (2016.07 - EP US); **F21V 3/04** (2013.01 - EP); **F21V 3/08** (2018.01 - EP US); **F21V 3/12** (2018.01 - EP US); **F21V 5/10** (2018.01 - EP US); **F21V 9/32** (2018.01 - EP US); **F21V 9/38** (2018.01 - EP US); **F21V 13/14** (2013.01 - EP US); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by
WO2018191443A1; WO2023287886A1

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

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