

Title (en)
Light fixture with LEDs and lenses assigned to the LEDs

Title (de)
Leuchte mit LEDs und den LEDs zugeordneten Linsen

Title (fr)
Luminaire dotée de DEL et de lentilles attribuées aux DEL

Publication
EP 2375128 A3 20140402 (DE)

Application
EP 11161529 A 20110407

Priority
DE 102010003805 A 20100409

Abstract (en)
[origin: EP2375128A2] The lamp (1) comprises a housing, which has a light emission opening. Multiple light sources are arranged in the housing in the form of light emitting diodes (22). The light emitting diodes are assigned with the lenses (32). The lenses are connected to an optical element (30), which closes the housing in the light emission direction.

IPC 8 full level
F21S 4/00 (2006.01); **F21V 5/04** (2006.01); **F21V 15/01** (2006.01); **F21V 19/00** (2006.01); **F21V 17/16** (2006.01); **F21V 23/02** (2006.01); **F21V 29/00** (2006.01); **F21Y 101/02** (2006.01); **F21Y 103/00** (2006.01)

CPC (source: EP US)
F21S 4/28 (2016.01 - EP); **F21S 8/038** (2013.01 - EP); **F21V 5/007** (2013.01 - EP US); **F21V 5/04** (2013.01 - EP US); **F21V 15/01** (2013.01 - EP US); **F21V 17/104** (2013.01 - EP); **F21V 19/0035** (2013.01 - EP); **F21V 15/013** (2013.01 - EP); **F21V 15/015** (2013.01 - EP); **F21V 17/164** (2013.01 - EP); **F21V 23/02** (2013.01 - EP); **F21V 29/507** (2015.01 - EP); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
• [X] WO 2010007835 A1 20100121 - CCS INC [JP], et al & EP 2306068 A1 20110406 - CCS INC [JP]
• [X] JP 2007059073 A 20070308 - TOSHIBA LIGHTING & TECHNOLOGY
• [X] US 7633684 B1 20091215 - LO CHI WAI [HK]
• [X] DE 202006008850 U1 20060817 - SIGNAL CONSTRUCT ELEKTRO OPTIS [DE]

Cited by
AT13807U1; EP2873910A1; AT13359U1; EP3462084A1; AT14620U1; AT14623U1; US2017130915A1; EP2631537A3; EP2873913A1; AT14512U1; EP3006817A1; AT15106U1; EP3543601A1; AT18160U1; EP3543606A1; EP3006816A1; EP3992522A1; EP2824380A1; CH708279A1; US10215381B2; DE102021100513B3; US9951913B2; WO2016016030A1; WO2023148205A1; WO2023247250A1; EP3543604B1

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

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EP 11161529 A 20110407; DE 102010003805 A 20100409