

Title (en)
Lighting assembly

Title (de)
Beleuchtungsanordnung

Title (fr)
Dispositif d'éclairage

Publication
EP 1477724 A3 20061206 (DE)

Application
EP 04005811 A 20040311

Priority
DE 20307358 U 20030513

Abstract (en)
[origin: EP1477724A2] The illuminating unit (1) for bollards, columns and similar items in towns and cities comprises at least one light emitting diode (LED) (4) and a plastic cover (2) whose outer contour allows it to be releasably attached to chosen points.

IPC 8 full level
F21S 8/00 (2006.01); **F21S 4/00** (2006.01); **F21S 10/02** (2006.01); **F21V 9/40** (2018.01); **F21V 23/04** (2006.01); **F21S 9/02** (2006.01); **F21V 17/04** (2006.01)

CPC (source: EP US)
F21S 4/28 (2016.01 - EP); **F21S 10/02** (2013.01 - EP); **F21V 23/04** (2013.01 - EP US); **F21S 9/02** (2013.01 - EP); **F21V 17/04** (2013.01 - EP); **F21W 2131/10** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

- [XY] US 2002060526 A1 20020523 - TIMMERMANS JOS [US], et al
- [X] US 5463280 A 19951031 - JOHNSON JAMES C [US]
- [Y] US 2002048169 A1 20020425 - DOWLING KEVIN J [US], et al
- [Y] DE 10110367 A1 20020912 - GRUBER BRUNO [DE]
- [Y] EP 1217291 A2 20020626 - GAMESMAN LTD [GB]
- [A] DE 10004341 A1 20010809 - HELMSTADT METALLWERK [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
DE 20307358 U1 20030828; EP 1477724 A2 20041117; EP 1477724 A3 20061206

DOCDB simple family (application)
DE 20307358 U 20030513; EP 04005811 A 20040311