

Title (en)

HIGH EFFICIENCY ILLUMINATION UTILISING MULTIPLE LIGHT SOURCES COMBINED WITH ON AXIS AND OFF AXIS LENSES

Title (de)

HOCHEFFIZIENTE BELEUCHTUNG MIT MEHREREN LICHTQUELLEN IN KOMBINATION MIT LINSEN AUF UND AUSSERHALB DER ACHSE

Title (fr)

ÉCLAIRAGE À HAUTE EFFICACITÉ UTILISANT DE MULTIPLES SOURCES DE LUMIÈRE COMBINÉES AVEC DES LENTILLES SUR AXE ET HORS AXE

Publication

**EP 3054210 A1 20160810 (EN)**

Application

**EP 16152702 A 20160126**

Priority

GB 201502076 A 20150209

Abstract (en)

There is disclosed an illumination system comprising a plurality of light emitting diodes (LEDs) arranged on a flat plane having an axis perpendicular to the plane. There is further provided a plurality of lenses each associated with at least one LED and mounted above the plane to direct light emitted by the LEDs towards a target area. At least some of the plurality of lenses are configured as off-axis lenses so as to direct light from their associated LEDs in a direction that is angled relative to the perpendicular axis, so as to provide generally even or homogeneous illumination of the target area.

IPC 8 full level

**F21V 5/04** (2006.01); **F21V 5/08** (2006.01)

CPC (source: EP GB US)

**F21V 5/043** (2013.01 - EP US); **F21V 5/08** (2013.01 - EP GB US)

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 3054210 A1 20160810**; GB 201502076 D0 20150325; GB 2535156 A 20160817

DOCDB simple family (application)

**EP 16152702 A 20160126**; GB 201502076 A 20150209