

Title (en)
Light influencing element

Title (de)
Lichtbeeinflussungselement

Title (fr)
Élément influant sur la lumière

Publication
EP 2295851 A3 20140903 (DE)

Application
EP 10183921 A 20040402

Priority
• EP 04725352 A 20040402
• DE 10315268 A 20030403

Abstract (en)
[origin: CA2521058A1] The invention relates to a light influencing element (6), i.e. the element which deviates the light emitted by a light source (4) to a predetermined angular range. The inventive element comprises a plurality of rib-like grid elements (7, 12) which are provided with reflecting lateral walls and are arranged in the form of a regular structure. The maximum height (H) of said grid elements (7, 12) is equal to 5 mm. Said light influencing element makes it possible to obtain a larger freedom for light shaping and to provide a lamp with an attractive aspect.

IPC 8 full level
F21V 5/00 (2006.01); **F21V 5/02** (2006.01); **F21V 11/02** (2006.01); **F21V 11/06** (2006.01); **F21Y 105/00** (2006.01)

CPC (source: EP US)
F21V 5/002 (2013.01 - EP US); **F21V 5/02** (2013.01 - EP US); **F21V 11/02** (2013.01 - EP US); **F21V 11/06** (2013.01 - EP US); **F21Y 2103/00** (2013.01 - EP US); **F21Y 2105/00** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US); **Y10T 428/24355** (2015.01 - EP US); **Y10T 428/24364** (2015.01 - EP US)

Citation (search report)
• [X1] EP 0903535 A2 19990324 - SEMPERLUX GMBH [DE]
• [XY1] US 2143148 A 19390110 - GUTH EDWIN F
• [X1] US 2242872 A 19410520 - ROLPH THOMAS W
• [X1] US 2002048168 A1 20020425 - SEJKORA GUNTHER [AU], et al
• [XD1] US 6139169 A 20001031 - CAFERRO RONALD N [US]
• [YA] DE 10044455 A1 20020404 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]
• [A] US 3179797 A 19650420 - KURT FRANCK

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

DOCDB simple family (publication)
DE 10315268 A1 20041014; AU 2004225784 A1 20041014; AU 2004225784 B2 20080925; CA 2521058 A1 20041014; CA 2521058 C 20111101; CN 100532928 C 20090826; CN 1768232 A 20060503; EP 1608909 A1 20051228; EP 1608909 B1 20150225; EP 2295851 A2 20110316; EP 2295851 A3 20140903; EP 2295851 B1 20170315; NO 20054373 D0 20050921; NO 20054373 L 20051103; NO 336741 B1 20151026; NZ 542705 A 20080229; US 2006216474 A1 20060928; US 7766506 B2 20100803; WO 2004088203 A1 20041014

DOCDB simple family (application)
DE 10315268 A 20030403; AU 2004225784 A 20040402; CA 2521058 A 20040402; CN 200480008765 A 20040402; EP 04725352 A 20040402; EP 10183921 A 20040402; EP 2004003520 W 20040402; NO 20054373 A 20050921; NZ 54270504 A 20040402; US 55146405 A 20051003