

Title (en)

COMPONENT COMPRISING A LARGE NUMBER OF LIGHT-EMITTING-DIODE CHIPS

Title (de)

BAUELEMENT MIT EINER VIELZAHL VON LUMINESZENZDIODENCHIPS

Title (fr)

COMPOSANT COMPRENANT PLUSIEURS PUCES DIODES ELECTROLUMINESCENTES

Publication

**EP 1312117 A1 20030521 (DE)**

Application

**EP 01971631 A 20010822**

Priority

- DE 0103198 W 20010822
- DE 10041686 A 20000824

Abstract (en)

[origin: WO0217401A1] The invention relates to a component (1) comprising a large number of light-emitting-diode chips (5) in a reflector (3), the latter being configured in such a way that the direct line of vision between the light-emitting-diode chips (5) is interrupted by an intermediate wall (11). This significantly improves the effectiveness of the component (1).

IPC 1-7

**H01L 25/075**; **H01L 33/00**

IPC 8 full level

**H01L 25/075** (2006.01); **H01L 33/48** (2010.01); **H01L 33/60** (2010.01)

CPC (source: EP US)

**H01L 25/0753** (2013.01 - EP US); **H01L 33/486** (2013.01 - EP US); **H01L 33/60** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

Citation (search report)

See references of WO 0217401A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI

DOCDB simple family (publication)

**WO 0217401 A1 20020228**; CN 1447984 A 20031008; DE 10041686 A1 20020314; EP 1312117 A1 20030521; JP 2004517465 A 20040610; TW 516228 B 20030101; US 2004056265 A1 20040325; US 7435997 B2 20081014

DOCDB simple family (application)

**DE 0103198 W 20010822**; CN 01814562 A 20010822; DE 10041686 A 20000824; EP 01971631 A 20010822; JP 2002521368 A 20010822; TW 90120714 A 20010823; US 36255403 A 20030929