

Title (en)

PROJECTION LAMP FOR SIMULATING SKY EFFECT

Title (de)

PROJEKTOR ZUR SIMULATION EINES HIMMELEFFEKTS

Title (fr)

PROJECTEUR POUR PROJETER UN EFFET DE SIMULATION DE CIEL

Publication

**EP 3486552 A1 20190522 (EN)**

Application

**EP 17210962 A 20171228**

Priority

CN 201711148044 A 20171117

Abstract (en)

The patent relates to the field of projection lamps and discloses a projection lamp for simulating a sky effect, comprising a first light-emitting component, wherein the first light-emitting component comprises a first light source for generating a first light ray, a first frosted glass arranged on an optical path of the first light ray and a convex lens, which are sequentially arranged. The first light ray emitted by the first light source is projected onto one surface through the first frosted glass and the convex lens to exhibit a cloud effect. The patent provides a first frosted glass between a first light source and a convex lens. The first light ray emitted by the first light source exhibits a cloud effect shaped like cotton on one surface after passing through the first frosted glass and the convex lens so as to achieve the purpose of creating a sky effect indoors.

IPC 8 full level

**F21S 10/00** (2006.01); **F21V 11/06** (2006.01); **F21V 13/02** (2006.01); **G03B 21/26** (2006.01); **F21V 5/04** (2006.01); **F21V 9/02** (2018.01); **F21W 121/00** (2006.01)

CPC (source: CN EP)

**F21S 10/00** (2013.01 - CN); **F21S 10/007** (2013.01 - EP); **F21V 5/04** (2013.01 - CN); **F21V 5/048** (2013.01 - EP); **F21V 9/02** (2013.01 - EP); **F21V 11/06** (2013.01 - EP); **F21V 13/00** (2013.01 - CN); **F21V 13/02** (2013.01 - EP); **F21V 14/00** (2013.01 - CN); **F21V 19/00** (2013.01 - CN); **F21V 23/003** (2013.01 - CN); **F21V 23/04** (2013.01 - CN); **F21W 2121/008** (2013.01 - CN EP)

Citation (search report)

- [Y] US 2007296923 A1 20071227 - LEE ALAN [US]
- [Y] DE 10049882 A1 20020411 - SAUNALUX GMBH PRODUCTS & CO KG [DE]
- [I] US 2003076681 A1 20030424 - RASMUSSEN NIELS JORGEN [DK], et al
- [I] US 2015260372 A1 20150917 - QUADRI PASQUALE [IT], et al

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 3486552 A1 20190522**; AU 2017279839 A1 20190606; CN 107859962 A 20180330

DOCDB simple family (application)

**EP 17210962 A 20171228**; AU 2017279839 A 20171229; CN 201711148044 A 20171117