

Title (en)  
LIGHT DIFFUSER

Title (de)  
LICHTDIFFUSOR

Title (fr)  
DIFFUSEUR DE LUMIERE

Publication  
**EP 1194717 B1 20060201 (DE)**

Application  
**EP 01936405 A 20010529**

Priority  
• DE 10026594 A 20000529  
• DE 10028357 A 20000608  
• EP 0106117 W 20010529

Abstract (en)  
[origin: WO0192779A1] The invention relates to a light diffuser (1) comprised of a holding device and of an at least partially transparent inflatable bag (3), which can be detachably connected to said holding device. The holding device is equipped with an adapter ring (4) provided for attachment to a projector (2) and for holding the bag. In addition, the adapter ring is closed such that it is transparent and pressure sealed with regard to the attachment side, and means for supplying a gaseous filling medium are provided on the holding device. According to the invention, a compressed gas connection and an electronically actuatable valve for supplying gas are provided on the adapter ring. A first pressure sensor (7) determines the increasing inner pressure when the sack is fixed to the ring and sends a switch-off signal to the valve once an adjustable maximum pressure value is reached in order to automatically stop the filling. A second sensor (11) is also provided for detecting the ambient pressure so that a switch-off signal can be derived based on a predeterminable differential pressure value.

IPC 8 full level  
**F21S 2/00** (2006.01); **F21S 10/00** (2006.01); **F17C 13/02** (2006.01); **F21V 1/00** (2006.01); **F21V 1/16** (2006.01); **F21V 3/00** (2006.01); **F21V 17/08** (2006.01); **G02B 5/02** (2006.01); **G02B 13/20** (2006.01); **G03B 15/02** (2006.01); **G05D 15/00** (2006.01); **F21W 131/406** (2006.01)

CPC (source: EP US)  
**F21V 3/026** (2013.01 - EP US); **F21V 23/0442** (2013.01 - EP US); **F21W 2131/406** (2013.01 - EP US)

Cited by  
EP2479483A1; EP2479484A1; WO2010094794A1; CN108317459A; DE102009010209A1; US9086205B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0192779 A1 20011206**; AT E317092 T1 20060215; CA 2380654 A1 20011206; CA 2380654 C 20100810; DE 10028357 A1 20011220; DE 50108859 D1 20060413; DK 1194717 T3 20060529; EP 1194717 A1 20020410; EP 1194717 B1 20060201; ES 1049443 U 20011216; ES 1049443 Y 20020416; ES 2258086 T3 20060816; JP 2003535440 A 20031125; JP 4616541 B2 20110119; PT 1194717 E 20060630; US 2002191295 A1 20021219; US 6683719 B2 20040127

DOCDB simple family (application)  
**EP 0106117 W 20010529**; AT 01936405 T 20010529; CA 2380654 A 20010529; DE 10028357 A 20000608; DE 50108859 T 20010529; DK 01936405 T 20010529; EP 01936405 A 20010529; ES 01936405 T 20010529; ES 200101391 U 20010529; JP 2002500150 A 20010529; PT 01936405 T 20010529; US 4872402 A 20020605