

Title (en)
Inflatable balloon for lighting purposes

Title (de)
Mit Luft aufblasbarer Ballon für Beleuchtungszwecke

Title (fr)
Ballon gonflable destiné à l'éclairage

Publication
EP 1630472 A3 20061004 (DE)

Application
EP 05405347 A 20050517

Priority
CH 9792004 A 20040609

Abstract (en)
[origin: EP1630472A2] An air-inflatable balloon with a light-source at its center, consists of number of sections (5) which form meridians and are joined together to form a spherical-shaped body. The sections (5) of fabric are joined to one another along a meridian line (6) of the balloon (1) by high-frequency (HF) welding, which secures melting of at least one thermoplastic inter-layer along a connection- and/or overlap-zone of two adjacent sections (5) so that an air-tight join is secured along the weld-seams (6).

IPC 8 full level
F21S 8/00 (2006.01); **F21W 131/10** (2006.01)

CPC (source: EP)
F21V 3/023 (2013.01); **F21V 21/06** (2013.01); **F21W 2131/10** (2013.01)

Citation (search report)

- [A] US 2004042217 A1 20040304 - CHABERT PIERRE [FR], et al
- [A] US 2767941 A 19561023 - GEGNER FREDERICK J, et al
- [A] EP 1403580 A1 20040331 - LIGHT BOY CO LTD [JP]
- [A] GB 1178815 A 19700121 - VACI SANDOR PAL [GB]

Cited by
CN110056844A; US11287103B2; WO2008030138A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1630472 A2 20060301; **EP 1630472 A3 20061004**; **EP 1630472 B1 20090107**; AT E420319 T1 20090115; DE 502005006415 D1 20090226; ES 2321010 T3 20090601

DOCDB simple family (application)
EP 05405347 A 20050517; AT 05405347 T 20050517; DE 502005006415 T 20050517; ES 05405347 T 20050517