

Title (en)  
Illuminated balloon with improved self-inflating envelope

Title (de)  
Beleuchteter Ballon mit verbesserter selbstausblasender Hülle

Title (fr)  
Ballon éclairant à enveloppe autogonflable perfectionnée

Publication  
**EP 1577606 A1 20050921 (FR)**

Application  
**EP 05354010 A 20050302**

Priority  
FR 0402856 A 20040319

Abstract (en)  
The lamp consists of at least one electric light bulb (22) inside an inflatable transparent envelope (11) with an inflation system (13) including a fan (15), and a power supply. The bulb and fan assembly are surrounded by a transparent or translucent plastic cover (25) that acts as a flameproof insulating screen and an deflector for incoming air that cools the bulb(s) and inflates the envelope through apertures (28). The apertures are located at the upper end of the cover so that the balloon is inflated through the top, and the base of the cover has an open rim (26) that engages with a thrust surface on a support. A thermostat cuts off the power supply to the bulb(s) if the fan stops working.

Abstract (fr)  
Un ballon éclairant à enveloppe (11) gonflable renferme un système d'éclairage (12) ayant au moins une ampoule (22) électrique, et des moyens de gonflage (13) dotés d'un ventilateur (15) intégré destiné à aspirer l'air externe pour l'injecter à l'intérieur de l'enveloppe (11) en la maintenant dans l'état gonflé. L'ensemble ampoule (22) et ventilateur (15) est coiffé par un bol (25) en matière plastique transparente ou translucide, constituant un écran isolant antidéflagrant, et un déflecteur de l'air de soufflage pour le gonflage de l'enveloppe (11) à travers des orifices de passage (28) prévus dans le bol (25). <IMAGE>

IPC 1-7  
**F21S 8/00; F21V 25/12**

IPC 8 full level  
**F21V 17/02** (2006.01); **F21S 2/00** (2006.01); **F21S 6/00** (2006.01); **F21S 8/00** (2006.01); **F21V 3/02** (2006.01); **F21V 21/22** (2006.01); **F21V 25/04** (2006.01); **F21V 25/12** (2006.01); **F21V 29/00** (2006.01); **F21W 131/00** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP US)  
**A63H 27/10** (2013.01 - EP US); **F21S 6/004** (2013.01 - EP US); **F21S 6/005** (2013.01 - EP US); **F21V 3/023** (2013.01 - US); **A63H 2027/1033** (2013.01 - EP US); **A63H 2027/1058** (2013.01 - EP US); **F21S 8/08** (2013.01 - EP US); **F21V 3/026** (2013.01 - EP); **F21V 25/10** (2013.01 - EP US)

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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 1577606 A1 20050921; EP 1577606 B1 20070627**; AT E365888 T1 20070715; CN 1670428 A 20050921; DE 602005001460 D1 20070809; DE 602005001460 T2 20080228; ES 2289677 T3 20080201; FR 2867833 A1 20050923; FR 2867833 B1 20060609; JP 2005268227 A 20050929; US 2005207168 A1 20050922; US 7252414 B2 20070807

DOCDB simple family (application)  
**EP 05354010 A 20050302**; AT 05354010 T 20050302; CN 200510052529 A 20050228; DE 602005001460 T 20050302; ES 05354010 T 20050302; FR 0402856 A 20040319; JP 2005081405 A 20050322; US 7569105 A 20050310