

Title (en)
Elastic lamp with variable colors

Title (de)
Elastische Lampe mit veränderlichen Farben

Title (fr)
Lampe élastique avec couleurs variables

Publication
EP 2426400 A3 20130410 (EN)

Application
EP 11179854 A 20110902

Priority
TW 99129963 A 20100903

Abstract (en)
[origin: EP2426400A2] An elastic lamp with variable colors (1) includes an elastic body (11), a switch (12), a processing unit (13), a color detecting unit (14), and a light emitting unit (15). The switch, the color detecting unit and the light emitting unit are coupled to the processing unit. The light emitting unit is disposed in the elastic body and can be controlled to emit lights with variable colors. When the switch is turned on based on the deformation of the elastic body, the processing unit enables the color detecting unit to detect the color of an object and thereby generates a color signal (S L). Based on the color signal, the processing unit enables the light emitting unit to emit a light corresponding to the color signal.

IPC 8 full level
F21S 2/00 (2006.01); **F21S 10/02** (2006.01); **F21V 14/00** (2006.01); **F21V 15/01** (2006.01); **F21V 23/04** (2006.01); **H05B 37/02** (2006.01); **H05B 44/00** (2022.01); **F21W 121/00** (2006.01); **F21Y 101/02** (2006.01); **F21Y 113/00** (2006.01)

CPC (source: EP US)
F21S 2/00 (2013.01 - EP US); **F21S 10/02** (2013.01 - EP US); **F21V 9/40** (2018.01 - EP US); **F21V 15/012** (2013.01 - EP); **F21V 23/0485** (2013.01 - EP); **H05B 45/22** (2020.01 - EP); **F21W 2121/00** (2013.01 - EP); **F21Y 2113/00** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
• [A] US 2002012246 A1 20020131 - RINCOVER AARON NATHAN [US], et al
• [A] US 7428994 B1 20080930 - JEFFWAY JR ROBERT W [US], et al
• [A] US 2008273319 A1 20081106 - VANDERSCHUIT CARL R [US]
• [A] US 2006146525 A1 20060706 - CHERNICK MARK [US], et al
• [A] US 5434761 A 19950718 - LESNICK DANIEL [US], et al
• [A] CN 201340482 Y 20091104 - JIAGUI MA [CN]
• [A] WO 2009090596 A1 20090723 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• [A] WO 2006100650 A2 20060928 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Cited by
US2014300280A1

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 2426400 A2 20120307; EP 2426400 A3 20130410; EP 2426400 B1 20141112; JP 2012059697 A 20120322; JP 5572600 B2 20140813; TW 201211443 A 20120316; TW I407040 B 20130901

DOCDB simple family (application)
EP 11179854 A 20110902; JP 2011172249 A 20110805; TW 99129963 A 20100903