

Title (en)
Wireless, energy-saving electronic candle

Title (de)
Drahtloses, energiesparendes elektronisches Licht

Title (fr)
Bougie électronique sans fil à économies d'énergie

Publication
EP 2378188 A2 20111019 (EN)

Application
EP 11163092 A 20110419

Priority
IT TV20100026 U 20100419

Abstract (en)
An electronic candle (1) comprising a boxed frame (2) with an elongated shape defining the visible external body of the electronic candle (1); a light source (3); some photovoltaic panels (4) stably fixed on the external side wall (5) of the boxed frame (2), and is adapted to generate a first electric current (I1); a battery (6) generating a second electric current (I2); and an electronic control circuit (7) which provides a current supply (I3) to the light source (3) and is configured in such a way to switch to a rated power status, wherein it regulates the current supply (I3) in such a way that the latter has a first given value (I3a), when said first current (I1) has a value greater than zero; or alternatively, to a reduced power status, wherein it generates the current supply (I3) in such a way that the latter has a second constant given value (I3b) less than the first value (I3a), when the first current (I1) has a value equal to zero.

IPC 8 full level
F21S 6/00 (2006.01); **F21S 9/03** (2006.01); **F21V 3/00** (2006.01); **F21W 121/00** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21S 6/001 (2013.01 - EP); **F21S 9/037** (2013.01 - EP US); **F21V 3/00** (2013.01 - EP); **F21W 2121/00** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by
NL2011690C2; US2016161071A1; US9752747B2; WO2015065186A1

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 2378188 A2 20111019; **EP 2378188 A3 20140226**; IT TV20100026 U1 20111020

DOCDB simple family (application)
EP 11163092 A 20110419; IT TV20100026 U 20100419