

Title (en)
INTEGRATED ILLUMINATION SYSTEM

Title (de)
INTEGRIERTES BELEUCHTUNGSSYSTEM

Title (fr)
SYSTEME LUMINEUX INTEGRE

Publication
EP 1384028 A1 20040128 (EN)

Application
EP 02753806 A 20020322

Priority
• US 0208725 W 20020322
• US 27782701 P 20010322
• US 27802101 P 20010322
• US 27756101 P 20010322

Abstract (en)
[origin: WO02077518A1] Integrated illumination systems employing illumination devices formed onto substrates are described. According to one embodiment, the display system combines an electroluminescent lamp (302), a photocell (304), a power supply (306) receiving energy from the photocell (304) and discharging electrical energy to the EL lamp (302), and optionally, a control switch to manage the intervals of electrical energy discharge to the EL lamp (302) for illumination; the components of the display system combining to provide illumination for an object (308). In another embodiment, a photocell (208), power supply (204) and light emitting device (206) are each formed onto a single substrate (202) to form a totally self-contained, self-powered illuminating device (200). In yet another embodiment, an electroluminescent lamp (604) is provided to form an illuminated decal (600). The EL lamp (604) may be configured to have a front illumination surface (610) and a back mounting surface (608), with a decal backing (606) attached to the back mounting surface (608). The decal backing (606) can be affixed to various objects (602) to provide an illumination source thereon. Alternatively, a magnetic material may be affixed to the back mounting surface (608) of the EL lamp (604) to replace the decal backing (606).

IPC 1-7
F21V 9/16

IPC 8 full level
H01L 51/50 (2006.01); **B60Q 1/50** (2006.01); **F21S 9/02** (2006.01); **F21V 23/00** (2006.01); **F21V 23/04** (2006.01); **G09F 13/00** (2006.01); **G09F 13/04** (2006.01); **G09F 13/22** (2006.01); **G09F 21/04** (2006.01); **H05B 33/00** (2006.01); **H05B 33/14** (2006.01); **F21Y 105/00** (2006.01); **H01L 27/32** (2006.01)

CPC (source: EP US)
B60Q 1/503 (2013.01 - EP US); **G09F 13/22** (2013.01 - EP); **H05B 33/00** (2013.01 - EP US)

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 02077518 A1 20021003; EP 1384028 A1 20040128; EP 1384028 A4 20071031; JP 2005508511 A 20050331

DOCDB simple family (application)
US 0208725 W 20020322; EP 02753806 A 20020322; JP 2002575530 A 20020322