

Title (en)

Hands-free illumination system controlled by the mouth

Title (de)

Freihändiges Beleuchtungssystem mit Mundsteuerung

Title (fr)

Système d'éclairage main libre commandé par la bouche

Publication

EP 0808082 B1 19980429 (FR)

Application

EP 97106958 A 19970426

Priority

FR 9606318 A 19960515

Abstract (en)

[origin: EP0808082A1] The system includes green and infrared light-emitting diodes (31) in a housing at the end of a flexible rod fixed to the microphone boom. The housing contains also a microswitch (35) operated by a lever (36-1) and clocking a bistable circuit which drives the switching transistors (41,42) via a three-position selector (39). The switching requires little effort (e.g. 10 to 60 grammes) from the lower lip or tongue for the clocking of the D flip-flop (40). The selector is housed in a separate package at the other end of the boom.

IPC 1-7

H05B 37/02; **F21L 1/00**; **F21V 23/04**

IPC 8 full level

A42B 3/04 (2006.01); **F21K 99/00** (2010.01); **F21V 23/04** (2006.01); **H05B 37/02** (2006.01)

CPC (source: EP US)

A42B 3/044 (2013.01 - EP US); **F21V 23/04** (2013.01 - EP); **H05B 47/10** (2020.01 - EP US); **F21Y 2113/13** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by

WO9943547A1; CN102345806A; FR2775250A1; WO2016046331A3; WO03047377A1; US6758586B1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0808082 A1 19971119; **EP 0808082 B1 19980429**; DE 69700005 D1 19980604; DE 69700005 T2 19980820; ES 2116135 T3 19980701; FR 2748794 A1 19971121; FR 2748794 B1 19980807

DOCDB simple family (application)

EP 97106958 A 19970426; DE 69700005 T 19970426; ES 97106958 T 19970426; FR 9606318 A 19960515