

Title (en)

DEVICE FOR GENERATING IMAGES AND TEXTS WHICH CAN BE IDENTIFIED BY INCIDENT LIGHT

Title (de)

VORRICHTUNG ZUR ERSTELLUNG VON DURCH AUFFALLENDEN LICHT ERKENNBAREN BILDERN UND TEXTEN

Title (fr)

DISPOSITIF POUR PRODUIRE DES IMAGES ET DES TEXTES IDENTIFIABLES PAR LUMIERE INCIDENTE

Publication

EP 1090384 B1 20020417 (DE)

Application

EP 99936454 A 19990605

Priority

- DE 19828474 A 19980626
- EP 9903909 W 19990605

Abstract (en)

[origin: WO0000947A1] The invention relates to a device for generating images and texts which can be identified by incident light. The aim of the invention is to create a device with which a clearly visible to brilliant image results when exposed to incident light. To this end, the image surface composes itself from a multitude of electronically controllable, point elements which are arranged in a grid-like manner, and each point element comprises at least one colorant reflector (3). Said colorant reflector is formed by a receptacle which is flat and at least transparent on the visible side. The interior space of the colorant reflector is connected to a colorant receptacle via a channel (6). The content of the colorant receptacle can be subjected to pressure by electronic control in such a way that colorant can be fed from the colorant container to the colorant reflector (3) and such that the colorant can be suctioned out from the colorant reflector (3) by reducing the pressure in the colorant container.

IPC 1-7

G09F 9/37

IPC 8 full level

G09F 9/37 (2006.01)

CPC (source: EP)

G09F 9/372 (2013.01); **G09F 9/377** (2013.01)

Cited by

WO2011054456A1; DE102009038469B4; EP2363741A3; WO2008046842A1; US8331009B2; WO2006125563A3; WO2004021318A1; DE102009038469A1; US8547406B2; DE102009052271A1; US8693077B2; EP2363741A2; DE102010009890A1; US8462422B2; WO2006066887A3

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

WO 0000947 A1 20000106; AU 5154899 A 20000117; DE 59901267 D1 20020523; EP 1090384 A1 20010411; EP 1090384 B1 20020417; ES 2176004 T3 20021116

DOCDB simple family (application)

EP 9903909 W 19990605; AU 5154899 A 19990605; DE 59901267 T 19990605; EP 99936454 A 19990605; ES 99936454 T 19990605