

Title (en)

Device to produce digital multi-colour images

Title (de)

Vorrichtung zum Erzeugen eines mehrfarbigen, digitalen Bildes

Title (fr)

Dispositif pour la production d'images numériques en couleurs multiples

Publication

EP 1640169 A3 20071017 (DE)

Application

EP 05020623 A 20050922

Priority

AT 16112004 A 20040927

Abstract (en)

[origin: EP1640169A2] A device (1) has a transport device (4) for moving the material (2) in a forward (feed) direction (5) and an exposure head (8) which can move to and fro in a perpendicular direction relative to the feed direction (5) over the material (2), and in which the exposure head (8) has several exit ends of optical fibers (18) for generating picture elements on the material (2). Coupling units (17) are formed, through which are joined a first (14), a second (15), and a third (16) light source to a single optical fiber (18) in which the colors of the light of the three light sources (14, 15, 16) form a triplet of complementary basic colors. An independent claim is included for a method for generating a multi-colored image.

IPC 8 full level

B41J 2/46 (2006.01)

CPC (source: EP US)

B41J 2/46 (2013.01 - EP US)

Citation (search report)

- [DYX] US 6452696 B1 20020917 - BOGART ZAC [US], et al
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- [A] JP 2003121923 A 20030423 - LG ELECTRONICS INC
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1640169 A2 20060329; EP 1640169 A3 20071017; EP 1640169 B1 20090729; AT 500831 A1 20060415; AT 500831 B1 20080515; AT 505139 A1 20081115; AT 505139 B1 20120415; AT E437757 T1 20090815; DE 502005007768 D1 20090910; US 2006066924 A1 20060330

DOCDB simple family (application)

EP 05020623 A 20050922; AT 05020623 T 20050922; AT 16112004 A 20040927; AT 6982007 A 20040927; DE 502005007768 T 20050922; US 23489405 A 20050926