Title (en)

Optical writing printer head and optical writing printer

Title (de)

Optischer Druckerschreibkopf und Drucker

Title (fr)

Tête d'écriture et imprimante optique

Publication

**EP 0974470 A1 20000126 (EN)**

Application

**EP 99305789 A 19990721**

Priority

JP 21990498 A 19980721

Abstract (en)

An optical writing printer head which can efficiently utilize, for optical writing, energy irradiated by a light emitting source to form a clear latent image on photosensitive print paper is disclosed. An optical writing printer head is formed of a light emitting module and an aperture plate. The light emitting module is formed of LEDs for preexposure (11R1, 11G1, and 11B1) and LEDs for printing (11R2, 11G2, and 11B2, and , 11R3, 11G3, and 11B3). The pore size of beam restricting pores (12R1, 12G1, and 12B1) formed in the aperture plate 13 correspondingly to the light emitting sources for preexposure is larger than the resolution of the printer, and the pore size of the beam restricting pores (12R2, 12G2, and 12B2, and, 12R3, 12G3, and 12B3) formed in the aperture plate 13 correspondingly to the light emitting sources for printing is about the resolution of the printer. <IMAGE>

IPC 1-7

**B41J 2/465**; B41J 2/48; B41J 2/525

IPC 8 full level

**B41J 2/44** (2006.01); **B41J 2/45** (2006.01); **B41J 2/455** (2006.01); **B41J 2/465** (2006.01); **B41J 2/48** (2006.01); **B41J 2/525** (2006.01); **H04N 1/036** (2006.01)

CPC (source: EP)

**B41J 2/465** (2013.01); **B41J 2/48** (2013.01); **B41J 2/525** (2013.01); **B41J 19/20** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0974470 A1 20000126**; **EP 0974470 B1 20040211**; DE 69914682 D1 20040318; DE 69914682 T2 20050105; HK 1026669 A1 20030423; JP 2000037907 A 20000208; JP 3299509 B2 20020708

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