

Title (en)

Temperature controlled LED recording head.

Title (de)

Temperaturgesteuerter LED-Aufzeichnungskopf.

Title (fr)

Tête d'enregistrement à LED régulée en température.

Publication

EP 0629508 A2 19941221 (EN)

Application

EP 94304265 A 19940613

Priority

- EP 94304265 A 19940613
- EP 93304770 A 19930618

Abstract (en)

A recording head comprises a linear array of light-emitting diodes (LEDs) on a common thermally conductive LED carrier bar (30). The carrier bar carries a series of modules, each module containing N LEDs with their associated drivers. The carrier bar is provided with a cooling means in thermally conductive contact therewith. The cooling means comprises a U-shaped duct inside a thermally conductive body (50) in thermally conductive contact with the carrier bar (30), said duct extending between a fluid inlet and a fluid outlet. The duct (57) has flowing therethrough a cooling fluid such as water. <IMAGE>

IPC 1-7

B41J 2/45; **B41J 29/377**

IPC 8 full level

B41J 2/45 (2006.01); **B41J 29/377** (2006.01)

CPC (source: EP)

B41J 2/45 (2013.01); **B41J 2/451** (2013.01); **B41J 29/377** (2013.01)

Cited by

CN103383873A; EP0819545A3; DE10319526A1; DE19612640C1; BE1011442A4; US6074035A; EP0736390A3; CN106604827A; US6113212A; DE19612174A1; DE19612174C2; US6121995A; US6097419A; DE19612642C1; BE1011441A4; US9823569B2; WO2013114131A1; US8368735B2; US7358929B2; US7180252B2; US6174055B1; WO9736212A1; WO9637862A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0629508 A2 19941221; **EP 0629508 A3 19950111**; **EP 0629508 B1 19961009**

DOCDB simple family (application)

EP 94304265 A 19940613