

Title (en)

Method and apparatus for the mounting of a thermal printhead.

Title (de)

Verfahren und Vorrichtung zur Montage eines Thermodruckmoduls.

Title (fr)

Méthode et appareil pour le montage d'un élément d'impression thermique.

Publication

**EP 0645255 A3 19951213 (DE)**

Application

**EP 94113776 A 19940902**

Priority

DE 4332626 A 19930924

Abstract (en)

[origin: EP0645255A2] A method for mounting a thermal printing module (1) which has a holding arm (2) to which a thermal print head (5) is adjustably attached, the thermal print head (5) being adjusted in an adjustment plane lying tangentially to the back pressure roller (15) and having the same contact line with the back pressure roller (15) as the underside of the thermal print head until all the heating elements (10) come into contact with the outer surface of the back pressure roller (15). In order to simplify the assembly and adjustment of a thermal printing module and make this less expensive, at least two point-type temperature sensors (11a, 11b, 11c), each having a temperature display (12a, 12b, 12c), and the holding arm (2) are arranged in a separate mounting device (16, 17, 18) instead of the back pressure roller (15) so as to be pivotable on an axle (19) in such a way that the paths limited by the temperature sensors (11a, 11b, 11c) assume the same position relative to the axle (19) as a bearing axle arranged in the thermal printer for the thermal printing module (1) relative to the contact line on the outer surface of the back pressure roller (15) of the thermal printer. Subsequently, the thermal print head (5) is displaced in a plane corresponding to the adjustment plane in the thermal printer until the temperature displays (12a, 12b, 12c) display identical temperature values. <IMAGE>

IPC 1-7

**B41J 25/316**

IPC 8 full level

**B41J 25/304** (2006.01); **B41J 2/32** (2006.01); **B41J 25/316** (2006.01)

CPC (source: EP)

**B41J 25/316** (2013.01)

Citation (search report)

- [A] EP 0388683 A2 19900926 - ESSELTE METO INT GMBH [DE]
- [A] US 4594598 A 19860610 - IWAGAMI FUSAO [JP]
- [A] DE 3226194 A1 19830203 - SATO KK [JP]
- [A] GIEDD ET AL.: "conforming a print head to a flat surface", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 22, no. 7, NEW YORK US, pages 2986 - 2987
- [A] BINGHAM: "temperature compensation for resistive ribbon printing", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 27, no. 7a, NEW YORK US, pages 4085

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0645255 A2 19950329**; **EP 0645255 A3 19951213**; DE 4332626 A1 19950330; JP H07227978 A 19950829

DOCDB simple family (application)

**EP 94113776 A 19940902**; DE 4332626 A 19930924; JP 22946594 A 19940926