

Title (en)  
THERMAL PRINT HEAD

Publication  
**EP 0388683 A3 19901227 (DE)**

Application  
**EP 90104072 A 19900302**

Priority  
DE 3909254 A 19890321

Abstract (en)  
[origin: JPH02279368A] PURPOSE: To eliminate high degree requirements for manufacturing tolerance by fixing one end of a shaft pivoting a support adjustably in the direction perpendicular to a plane formed by the shaft and the aligning line of heating elements. CONSTITUTION: One end of the shaft 28 of a support 42 is fixed adjustably in the direction perpendicular to a plane formed by the shaft 28 and the line 36 of heating elements. Consequently, parallelism can be corrected easily between the line 36 of heating elements and the shaft of a supporting roll 22. Since a pressure can be applied uniformly even to a wide print sheet, high degree requirements for manufacturing tolerance can be eliminated.

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**B41J 25/316**

IPC 8 full level  
**B41J 25/312** (2006.01); **B41J 2/32** (2006.01); **B41J 25/316** (2006.01)

CPC (source: EP US)  
**B41J 25/316** (2013.01 - EP US)

Citation (search report)  
• [A] US 4023662 A 19770517 - PERUCCA VINCENZO  
• [A] FR 2355661 A1 19780120 - IBM [US]  
• [A] DE 2842209 A1 19790607 - GEN ELECTRIC  
• [A] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 40 (M-454)[2097], 18. Februar 1986; & JP-A-60 192 671 (WATANABE) 01-10-1985  
• [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 353 (M-539)[2409], 28. November 1986; & JP-A-61 152 477 (MUROTA) 11-07-1986

Cited by  
FR2698585A1; EP0645255A3; GB2227460B; US5921687A; EP0742104A3; EP0670785A4; US5872585A; US5874980A

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DOCDB simple family (publication)  
**EP 0388683 A2 19900926; EP 0388683 A3 19901227; EP 0388683 B1 19940706**; AT E108140 T1 19940715; AU 5079390 A 19900927; AU 618172 B2 19911212; CA 2011915 A1 19900921; CA 2011915 C 19960402; DE 3909254 A1 19900927; DE 59006333 D1 19940811; ES 2055191 T3 19940816; JP H02279368 A 19901115; JP H07106664 B2 19951115; US 5023628 A 19910611

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**EP 90104072 A 19900302**; AT 90104072 T 19900302; AU 5079390 A 19900306; CA 2011915 A 19900309; DE 3909254 A 19890321; DE 59006333 T 19900302; ES 90104072 T 19900302; JP 7315490 A 19900322; US 49597490 A 19900320