

Title (en)

Thermal print head.

Title (de)

Thermodruckkopf.

Title (fr)

Tête d'imprimante thermique.

Publication

EP 0388684 B1 19940126 (DE)

Application

EP 90104073 A 19900302

Priority

DE 3909286 A 19890321

Abstract (en)

[origin: US5055858A] A thermal printing head (10) is described which comprises a supporting frame (12, 14, 16, 18, 20, 22) and a thermal printing plate (28). Several individually triggerable heating elements are provided along a line on the front side of the thermal printing plate (28). The thermal printing plate (28) is held in frictional contact with a counter-pressure roll (26) rotatably mounted in the supporting frame. The line of heating elements contacts the counter-pressure roll along a paraxial generating line. At least one locking hook (38, 40) being in engagement with a pin fixed on the supporting frame is provided on the thermal printing plate (28) to be spaced apart from the line of heating elements. At least one pressure spring (54, 56) is provided in the region situated between the at least one locking hook (38, 40) and the line of heating elements between a stop (62, 64) being in fixed connection with the supporting frame and the rear side of the thermal printing plate (28). The at least one pressure spring (54, 56) is secured on the thermal printing plate (28) by means of a retaining means (50, 52, 48).

IPC 1-7

B41J 25/34

IPC 8 full level

B41J 25/34 (2006.01)

CPC (source: EP US)

B41J 25/34 (2013.01 - EP US)

Cited by

US6095701A; WO9932301A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0388684 A2 19900926; EP 0388684 A3 19901227; EP 0388684 B1 19940126; DE 3909286 A1 19900927; DE 3909286 C2 19910912; DE 59004376 D1 19940310; US 5055858 A 19911008

DOCDB simple family (application)

EP 90104073 A 19900302; DE 3909286 A 19890321; DE 59004376 T 19900302; US 49597190 A 19900320