

Title (en)

Fixed thermal head print mechanism with controlled gear play

Title (de)

Druckmechanismus mit festem Wärmekopf mit gesteuertem Getrieberadspiel

Title (fr)

Mécanisme d'impression thermique à tête fixe et jeu d'engrenage réduit

Publication

EP 2813366 A1 20141217 (EN)

Application

EP 13177105 A 20130718

Previously filed application

13171748 20130612 EP

Priority

- EP 13171748 A 20130612
- EP 13177105 A 20130718

Abstract (en)

Thermal printer mechanism comprises a frame (7) comprising on each side a flat profile portion (8), a thermal printhead integral and fixed to the frame (7) (3) with a thermal dot line (10), a platen roller (4) having a gear (6) at one end of its axle (12) that is able for tangent contact with and to move in translation along the flat profile portion (8), in order to be guided and aligned to the thermal printhead (3) dot line (10), pressure means (11) to urge the platen roller (4) against the printhead, a motor (21) to move in rotation the platen roller (4), a helicoid screw (9) for transmitting of the mechanical power from the motor (21) to the platen roller gear (6), said helicoid screw (9) being positioned substantially perpendicular to the printhead (3) and engaged into the platen roller gear (6) when the platen roller axle is in tangent contact with the flat profile portion (8) of the frame.

IPC 8 full level

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CPC (source: EP)

B41J 2/325 (2013.01); **B41J 11/04** (2013.01); **B41J 11/20** (2013.01); **B41J 17/28** (2013.01); **B41J 29/38** (2013.01); **B41J 2202/31** (2013.01)

Citation (search report)

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- [A] JP 2011056691 A 20110324 - SEIKO INSTR INC
- [A] FR 2923411 A1 20090515 - A P S ENGINEERING SARL [FR]
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Designated extension state (EPC)

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