

Title (en)

Platen roller presence detection system for thermal printing device

Title (de)

Schreibwalzen-Vorhandenseinsnachweissystem für Thermodruckvorrichtung

Title (fr)

Système de détection de présence de rouleau d'impression pour imprimante thermique

Publication

EP 2910382 A1 20150826 (EN)

Application

EP 14155932 A 20140220

Priority

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Abstract (en)

The invention relates to the thermal printing device with the so called "easy-loading" system for the paper. Thermal printing mechanism comprising: a printer chassis (2), a thermal printhead (1), platen roller (3) having a conductive shaft (6), the platen roller (3) being designed to be movable between two possible positions - open, where the platen roller (3) is detached from the printer chassis (2) and printing position where the platen roller (3) is held in the printer chassis (2), and motion means (11) to put the platen roller (3) in rotation. It further comprises two lateral conductive contacts (4 and 5) arranged on the printer chassis (2) so as to be in a contact with the two opposite ends of the platen roller conductive shaft (6) in the printing position of the platen roller (3) for conducting electrical current, thus forming an electrical switch for indication of the status of the platen roller position.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 2006291933 A1 20061228 - WATANABE SUMIO [JP], et al
- [A] US 5746521 A 19980505 - SCHOEN JOEL A [US], et al
- [A] US 2004234314 A1 20041125 - TOZAKI SHUJI [JP], et al
- [A] US 2008178753 A1 20080731 - TAKAHASHI MASANORI [JP]
- [A] US 5779371 A 19980714 - AOYAMA YUJI [JP], et al

Cited by

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DOCDB simple family (publication)

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