

Title (en)

Method and device for refurbishing used print cartridges

Title (de)

Verfahren und Vorrichtung zur Wiederverwendbarmachung gebrauchter Druckerpatronen

Title (fr)

Procédé et dispositif pour renouvellement de cartouches d'impression usées

Publication

EP 1688259 A1 20060809 (DE)

Application

EP 05405059 A 20050207

Priority

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Abstract (en)

For the recovery of ink cartridges for recycling, used by printers, at least one electrical contact point (15a-15n) is detected at the cartridge (1) to determine at least a part of the individual cartridge identification. The part-information is scanned and then converted, especially electrically, to give a sub-set of one or more bits in a bit series or a serial data series. The altered identification is recognized by the printer as a new cartridge for the block to be lifted. A circuit incorporates an electronic unit (17) as part of a micro-controller or microprocessor, with gate connections (A1-A22) for the contact points. One connection is linked through a resistance (R1) to an analog/digital converter (19). The electronic unit has two power supplies (19a,19b).

IPC 8 full level

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CPC (source: EP)

B41J 2/17506 (2013.01); **B41J 2/1753** (2013.01); **B41J 2/17546** (2013.01)

Citation (applicant)

DE 19752938 A1 19990602 - PELIKAN PRODUKTIONS AG [CH]

Citation (search report)

- [X] US 6325495 B1 20011204 - FOTH THOMAS J [US]
- [X] US 2003151648 A1 20030814 - SUDA YUKIHARU [JP], et al
- [X] EP 0985537 A1 20000315 - SEIKO EPSON CORP [JP]

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