

Title (en)  
ELECTROTHERMAL PRINTER

Publication  
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Application  
**EP 86810396 A 19860903**

Priority  
CH 414085 A 19850925

Abstract (en)  
[origin: US4758847A] An electrothermal printer having a print head provided with a plurality of wire electrodes, an ink ribbon, and a heating ribbon separate from the ink ribbon. The heating ribbon is in the form of a layer of material which is a poor conductor of electricity and a layer of electrically conductive material. The current passing between one or several of the electrodes in the print head to the heating ribbon conductive layer which is in contact with an appropriate sliding contact or electrode heats a localized area, or localized areas, of the heating ribbon which in turn transfers heat to corresponding localized areas of the ink ribbon for transferring ink on a sheet of paper. The ink ribbon and the heating ribbon are displaced at the same speed past the print head. The printer of the invention permits high rate printing at a relatively low cost of supplies. With the ink ribbon omitted, printing can be effected directly on thermo-sensitive paper.

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**B41J 3/20; B41M 5/24**

IPC 8 full level  
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**US 4758847 A 19880719**; CH 664532 A5 19880315; DE 3664291 D1 19890817; EP 0218551 A1 19870415; EP 0218551 B1 19890712; JP S62109670 A 19870520

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