

Title (en)

Drive circuit for an electrothermal recorder with resistive ribbon

Title (de)

Ansteuerschaltung für eine elektrothermische Druckvorrichtung mit Widerstandsband

Title (fr)

Circuit de commande pour système d'impression thermique avec ruban résistif

Publication

**EP 0575668 B1 19970312 (DE)**

Application

**EP 92250246 A 19920904**

Priority

DE 4221275 A 19920626

Abstract (en)

[origin: EP0575668A2] A drive circuit for an electrothermal recorder with resistive ribbon (10) has a printing unit (3), a current collector electrode (6), a storage means (7) and a pressure control unit (5). A resistive ink ribbon (10) which is subject to relative movement transmits the ink particles from the ink layer (9) when the associated heating resistor in the resistive layer (100) is heated in areas (101, 102, ...) on the recording medium. By means of at least one measurement electrode (29) which is arranged near to the print head, the voltage drop  $U_m$  caused by the total current  $I_g$  and by the variation of the resistances is measured over the unselective current path (feedback layer (8)) in the resistive ink ribbon and the constant voltage source (1) which has a reference voltage input causes the electrodes (31, 32, 33, ...) which are temporarily connected to the said source (1) via the switching unit (2) to be fed with a feed voltage  $U_s = \alpha U_p + U_B$ . <IMAGE>

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