

Title (en)  
Printing device and ribbon cartridge.

Title (de)  
Drucker und Bandkassette.

Title (fr)  
Imprimante et cartouche à ruban.

Publication  
**EP 0336540 A2 19891123 (EN)**

Application  
**EP 89301648 A 19890221**

Priority  
IT 6731188 A 19880408

Abstract (en)  
In a machine for reading and writing information, a scanning reading device (10) converts the information on a document on a bed (2) into digital electrical signals. Those signals are passed to a device for printing on plain paper for locally reproducing the original document and/or passed over a telephone cable to transmit the information to a remote receiving station. The printing device comprises a thermal printer (34) and a replaceable cartridge (48) obtaining a reel (50) for feeding the ribbon (42) which is covered with thermally transferable ink. The ribbon is as wide as a sheet of normal paper and is disposed in superposed relationship therewith on a rotatable platen roller (38) for printing information by means of a thermal print head (34). To ensure a high level of quality and uniformity of printing, the inked ribbon must be disposed in perfectly superposed relationship and without wrinkles on the sheet of paper to be printed. That is achieved by means of a curved wall (70) of the cartridge, which extends over the entire width of the inked ribbon. The wall holds the ribbon (42) in a taut condition, eliminating any wrinkles and folds which may be present in the supply reel (50).

IPC 1-7  
**B41J 17/32**

IPC 8 full level  
**B41J 17/32** (2006.01)

CPC (source: EP)  
**B41J 17/32** (2013.01)

Cited by  
DE4009293A1; US5435657A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0336540 A2 19891123; EP 0336540 A3 19891123; IT 1219185 B 19900503; IT 8867311 A0 19880408**

DOCDB simple family (application)  
**EP 89301648 A 19890221; IT 6731188 A 19880408**