Title (en)
  Thermal printer

Title (de)
  Thermodrucker

Title (fr)
  Imprimante thermique

Publication
  EP 1155867 A1 20011121 (FR)

Application
  EP 01460034 A 20010511

Priority
  FR 0006174 A 20000515

Abstract (en)
  The thermal printer has a print head (13) a motor roller (14) driving a flat object (30) under the print head. The motor roller, moves with respect to the print head, along a vertical axis so that the gap between it and the print head can vary as a function of the thickness of the object being printed. The print head is fixed at least in the vertical direction movement. The axis of rotation (141) of the motor roller is vertical to a line of heating elements (131) carried on the print head, bearings supporting the motor roller are coupled to a reset spring (16), the bearings are fixed to an introduction plate (15). The printer has means (17), for maintaining a predetermined gap between the motor roller and print head, which includes a stop fixed to the bearings or to the axis of the motor roller.

IPC 1-7
  B41J 25/308; B41J 11/20

IPC 8 full level
  B41J 11/20 (2006.01); **B41J 13/12** (2006.01)

CPC (source: EP)
  B41J 11/20 (2013.01); **B41J 13/12** (2013.01)

Citation (applicant)
  EP 0557405 A1 19930901 - GEMPLUS CARD INT [FR]

Citation (search report)
  • [XA] US 5648811 A 19970715 - THIEL WOLFGANG [DE], et al
  • [X] US 5212499 A 19930518 - HONGO TAKAYASU [JP], et al
  • [A] EP 0854049 A2 19980722 - CANON KK [JP]
  • [XA] ARCHER: "low-cost single-line printer", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 27, no. 1b, June 1984 (1984-06-01), pages 637 - 638, XP002149520
  • [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 70 (M - 462)<2127> 19 March 1986 (1986-03-19)
  • [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 260 (M - 180)<1138> 18 December 1982 (1982-12-18)

Designated contracting state (EPC)
  DE FR GB IT

DOCDB simple family (publication)
  EP 1155867 A1 20011121; FR 2808729 A1 20011116

DOCDB simple family (application)
  EP 01460034 A 20010511; FR 0006174 A 20000515