

Title (en)

Print hammer and drive for daisy wheel printer.

Title (de)

Druckhammer und Antrieb für Typenraddrucker.

Title (fr)

Marteau d'impression et entraînement pour imprimante à roue porte-caractères.

Publication

EP 0189568 A1 19860806 (EN)

Application

EP 85115703 A 19851210

Priority

US 69559885 A 19850128

Abstract (en)

A printing mechanism is disclosed which has an oscillatable hammer (34) which carries on the first end an impacting surface (32) for striking a printing element (50) and on the opposite end thereof, a magnetically attractable armature structure (24) generally formed in a U-shape such that the legs of the U extend in a plane perpendicular to the axis (36) of oscillation. An electromagnet assembly (10) is fabricated to mate with and accept the legs of the hammer armature (24) between similar U-shaped legs (16) of the electromagnet armature (14) to provide a substantially constant air gap during the movement of the hammer armature (24) into the magnetic field of the magnet armature (14). The electromagnet (10) may be enhanced by providing a flux concentrating core member (18) magnetically coupled with and surrounded by the coil (22) of a magnet thereby concentrating the flux flow through small air gaps into which the legs of the U-shaped hammer armature (24) may be attracted.

IPC 1-7

B41J 9/38

IPC 8 full level

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CPC (source: EP)

B41J 9/06 (2013.01); **B41J 9/38** (2013.01)

Citation (search report)

- US 3714892 A 19730206 - PERRY R
- US 4004505 A 19770125 - MAGNET JEAN GEORGES

Designated contracting state (EPC)

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