

Title (en)
Hammer bank assembly.

Title (de)
Druckhammerbank.

Title (fr)
Arrangement de marteaux d'impression.

Publication
EP 0034774 A1 19810902 (EN)

Application
EP 81101023 A 19810213

Priority
US 12206480 A 19800215

Abstract (en)
An improved print hammer (10) incorporating crossed-spring support wires (20, 22) having a round cross section so as to render the hammer relatively flexible in a direction lateral to hammer travel during printing. The spring wires are connected between a lower body portion (18) and a foot section (24). The lower body portion and foot section are designed so that the spring wires enter them substantially perpendicularly, thereby reducing stress. The foot section incorporates a pair of mounting pegs (36, 38) which serve to accurately locate the hammers in a hammer bank assembly. A pair of weights (52) can be included on the spring wires in order to dampen recoil motion which occurs after the hammer impacts against a print character. The crossing point (21) of the spring is positioned so that the springs are flexed by a constant bending moment, thereby reducing stress on the springs.

IPC 1-7
B41J 9/00

IPC 8 full level
B41J 9/38 (2006.01); **B41J 9/127** (2006.01)

CPC (source: EP)
B41J 9/127 (2013.01)

Citation (search report)

- DE 1287833 B
- AT 324022 B 19750811 - PHILIPS NV [NL]
- GB 1359925 A 19740717 - CII HONEYWELL BULL
- [D] US 3643595 A 19720222 - HELMS CLIFFORD J, et al
- [D] US 3983806 A 19761005 - ISHI GEORGE

Designated contracting state (EPC)
DE FR IT NL

DOCDB simple family (publication)
EP 0034774 A1 19810902; EP 0034774 B1 19831221; BR 8100882 A 19810825; DE 3161673 D1 19840126; JP H029944 B2 19900306; JP S56129187 A 19811009

DOCDB simple family (application)
EP 81101023 A 19810213; BR 8100882 A 19810213; DE 3161673 T 19810213; JP 2130681 A 19810216