

Title (en)
PRINT HAMMER ASSEMBLY

Publication
EP 0028539 B1 19860409 (EN)

Application
EP 80303951 A 19801105

Priority

- US 9160579 A 19791105
- US 9164579 A 19791105
- US 9164679 A 19791219
- US 9165779 A 19791105
- US 9165879 A 19791105

Abstract (en)
[origin: EP0028539A2] A print hammer assembly is disclosed comprising a support structure (38) having a hammer element (32) supported at one location thereon and a plunger (46) supported at another location thereon, and an electromagnetic actuator (59) including a pair of magnetizable members (76, 78) displaced apart a predetermined distance to define a space (84) of sufficient dimensions to enable the movement of the plunger (46) therethrough. The actuator (59) is capable of being selectively energized to establish a magnetic field in the space (84) to control the movement of the plunger (46) through the space. The print hammer assembly also comprises a mounting assembly for movably mounting the support structure (38) adjacent the electromagnetic actuator (59) such that the plunger (46) is in a position to be forced through the space upon energization of the actuator, whereby the support structure and thus the hammer element (32) will each be moved in a predetermined direction and at a predetermined speed upon energization of the actuator. The hammer element (32) is secured to the support structure (38) by way of a leaf spring assembly (60, 62).

IPC 1-7
B41J 9/04

IPC 8 full level
B41J 9/04 (2006.01)

CPC (source: EP)
B41J 9/04 (2013.01)

Cited by
EP0226398A3; US4737043A; EP0538998A3; EP0207781A1; EP0210000A1; US4678355A; EP0139903A1; US4525086A; EP0540145A3; EP0209291A1; US4681469A

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0028539 A2 19810513; EP 0028539 A3 19820526; EP 0028539 B1 19860409; DE 3071538 D1 19860515

DOCDB simple family (application)
EP 80303951 A 19801105; DE 3071538 T 19801105