

Title (en)

Device for adapting the type impact energy in a disc printer to the contact surface area of a character.

Title (de)

Vorrichtung zur Anpassung der Aufschlagenergie einer Drucktype bei Typenscheibendruckern an die Grösse der Zeichenlinienlänge.

Title (fr)

Dispositif pour adapter la force de frappe aux dimensions d'un caractère, dans une imprimante à disque.

Publication

**EP 0007454 A1 19800206 (DE)**

Application

**EP 79102155 A 19790628**

Priority

DE 2832338 A 19780722

Abstract (en)

[origin: US4278357A] A daisy wheel spring disc utilized in conjunction with a daisy wheel print element to control impression. Both the spring disc and the print element have radially extending petals. The print element petals carry a character adjacent their outer extremity. A spring disc petal is associated with each print element petal for which impression is to be controlled. The spring disc petals vary in length relative to the print element petals. The lengths of the spring disc petals depend upon whether the character on the associated print wheel petal has a large or small print surface area. During printing, the spring disc is positioned on the printing side of the print element. When a print element petal is driven out of the plane of the remaining print element petals during printing of a character, the associated spring disc petal will be contacted and will absorb a portion of the energy imparted to the print element petal.

Abstract (de)

Typenscheibendrucker, bei dem der Typenscheibe (1) eine Federscheibe (5) gleicher Teilung zugeordnet ist. Beim Anschlag einer auf dem Finger (2-1, 2-2, 2-3) der Typenscheibe (1) befindlichen Type (3-1,3-2,3-3) wird dieser Finger gegen die Federkraft des ihm zugeordneten Fingers (5-1, 5-2 5-3) der Federscheibe (5) bewegt. Die Finger (5-1,5-2,5-3) der Federscheibe (5) haben eine unterschiedliche Länge, so daß für die verschiedenen Zeichen gleiche Abdruckstärken erzielt werden.

IPC 1-7

**B41J 1/30**

IPC 8 full level

**B41J 1/30** (2006.01); **B41J 7/94** (2006.01)

CPC (source: EP US)

**B41J 1/30** (2013.01 - EP US); **B41J 7/94** (2013.01 - EP US)

Citation (search report)

- DE 2746293 A1 19780420 - CHARACTERES SA
- US 4074798 A 19780221 - BERGER MICHAEL A
- DE 2545311 B2 19771027
- DD 131457 A1 19780628 - MANDEL WALTER

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0007454 A1 19800206**; **EP 0007454 B1 19811209**; CA 1118699 A 19820223; DE 2832338 A1 19800131; DE 2961544 D1 19820204; IT 1166884 B 19870506; IT 7923561 A0 19790614; JP S5515892 A 19800204; JP S5910913 B2 19840312; US 4278357 A 19810714

DOCDB simple family (application)

**EP 79102155 A 19790628**; CA 327404 A 19790510; DE 2832338 A 19780722; DE 2961544 T 19790628; IT 2356179 A 19790614; JP 8158079 A 19790629; US 4892079 A 19790615