

Title (en)

MULTIPLE TYPE DISK PRINTING MECHANISM FOR TYPEWRITERS OR PRINTERS

Publication

EP 0013294 B1 19830713 (FR)

Application

EP 79103771 A 19791003

Priority

US 96456978 A 19781129

Abstract (en)

[origin: US4197022A] Two coaxially mounted spoked print wheels form a single printing element of a serial printer. Each wheel contains plural spokes having print characters thereon and a selected spoke is driven by a hammer to impact paper on a platen thereby effecting printing. Each wheel has a gap or window between two spokes of sufficient size to allow hammer or spoke entry. In operation, the window of one wheel and the selected spoke of the other wheel are rotated to the print position. The hammer is actuated to effect printing. The distance between the hammer and the selected spoke is maintained constant when shifting from wheel to wheel by shifting the wheel combination axially along its axis of rotation. The printing element is advanced relative to the platen and the platen is indexed to effect serial line printing. The two print wheels can readily be removed as a unit from the printer and replaced for type style interchangeability.

IPC 1-7

B41J 1/24

IPC 8 full level

B41J 1/30 (2006.01)

CPC (source: EP US)

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Cited by

US7606632B2; US5792123A

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 4197022 A 19800408; AU 5219679 A 19800529; AU 525426 B2 19821104; BR 7907418 A 19800715; CA 1118698 A 19820223; DE 2965862 D1 19830818; EP 0013294 A2 19800723; EP 0013294 A3 19810204; EP 0013294 B1 19830713; ES 486393 A1 19800516; IT 1165366 B 19870422; IT 7927151 A0 19791109; JP S5574882 A 19800605; ZA 795797 B 19801029

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US 96456978 A 19781129; AU 5219679 A 19791025; BR 7907418 A 19791114; CA 336997 A 19791004; DE 2965862 T 19791003; EP 79103771 A 19791003; ES 486393 A 19791128; IT 2715179 A 19791109; JP 12018379 A 19790920; ZA 795797 A 19791029