

Title (en)

MULTIPLE MODE PRINTING SYSTEM AND METHOD

Publication

EP 0031421 A3 19820922 (EN)

Application

EP 80106694 A 19801031

Priority

US 10662579 A 19791226

Abstract (en)

[origin: EP0031421A2] A matrix print head (9) including a plurality of printing element (10-29) arranged in one or more straight lines is mounted for lateral movement across a print line at more than one angle. In a draft mode of operation (9) the angle is chosen to provide a greater spacing between printing elements relative to the print line than is realized in a final, or quality mode (9A) wherein the angle is chosen to provide a smaller spacing between printing elements relative to the print line. The print head operated in this manner can be for a variety of different printer types, for example, a wire matrix printer or an ink jet printer.

IPC 1-7

B41J 3/02; **B41J 3/12**

IPC 8 full level

B41J 2/255 (2006.01); **B41J 2/51** (2006.01); **G06K 15/10** (2006.01)

CPC (source: EP)

B41J 25/003 (2013.01)

Citation (search report)

- [E] EP 0027734 A1 19810429 - OLIVETTI & CO SPA [IT]
- [A] WO 7900627 A1 19790906 - SINOTO N
- [A] US 4059182 A 19771122 - GUSTAFSSON LARS AKE OLOF, et al
- [A] DE 2729495 A1 19780302 - ZENTRONIK VEB K
- [A] US 4153950 A 19790508 - NOSOWICZ EUGENE J, et al
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol.20, no.12, May 1978, IBM Corp., New York (US)

Cited by

US6575557B2; US6092887A; US6189991B1; US6202550B1; FR2540043A1; EP0098530A3; US5347617A; US4929099A; US4794407A; EP0107502A3; US4941761A; US4791437A; US6003969A; US4972270A; EP0159642A3; US7156482B2; US5924804A; EP0408071A3; US4739415A; EP0665111A3; EP0665112A3; EP0665113A3; US5745135A; US5078521A

Designated contracting state (EPC)

BE CH DE FR GB IT NL

DOCDB simple family (publication)

EP 0031421 A2 19810708; **EP 0031421 A3 19820922**; AU 6410180 A 19810820; ES 497028 A0 19820116; ES 8206286 A1 19820116; JP S5693559 A 19810729

DOCDB simple family (application)

EP 80106694 A 19801031; AU 6410180 A 19801105; ES 497028 A 19801121; JP 14582580 A 19801020