

Title (en)

A multi-jet single head ink jet printer.

Title (de)

Tintenstrahldrucker mit einem Vielstrahleinzelkopf.

Title (fr)

Imprimante à jet d'encre avec une seule tête à jets multiples.

Publication

EP 0084891 A2 19830803 (EN)

Application

EP 83100729 A 19830127

Priority

US 34328882 A 19820127

Abstract (en)

In a jet type printing system a plurality of ink jets are provided in line in the direction of carriage movement. The ink jets are deflected to print in a conventional manner and also pass by charging electrodes which charge individual droplets as they are broken off from the jets. The charging electrodes are provided with a charge to produce scanning transverse to the direction of carriage movement such that if no charge is provided, ink will be caught in a catcher and returned to the ink reservoir for reuse. By interlining the lines a faster more effective printing occurs. Interlining may be done in accordance with several stated methods. An alternative provides ink jets one above the other with deflection means causing deflection to occur in opposite directions so that one effectively scans up and the other scans down, this alternative preferably employing a pair of ink catchers for the respective jets.

IPC 1-7

B41J 3/04

IPC 8 full level

B41J 2/075 (2006.01); **B41J 2/025** (2006.01); **B41J 2/485** (2006.01)

CPC (source: EP)

B41J 2/025 (2013.01); **B41J 2/485** (2013.01)

Cited by

US5410342A; US7687102B2; GB2467100A; GB2467100B; EP0225168A3; CN114506077A; EP0709194A1; WO9111327A1; EP0709194B1

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0084891 A2 19830803; **EP 0084891 A3 19840718**; **EP 0084891 B1 19910821**; CA 1202522 A 19860401; DE 3382377 D1 19910926; JP H0424229 B2 19920424; JP S58132566 A 19830806

DOCDB simple family (application)

EP 83100729 A 19830127; CA 420291 A 19830126; DE 3382377 T 19830127; JP 1067583 A 19830127