Title (en)
INK JET PRINTING HEAD AND PRINTER PROVIDED THEREWITH

Publication
EP 0135558 B1 19880824 (FR)

Application
EP 84900990 A 19840228

Priority
FR 8303975 A 19830307

Abstract (en)
[origin: WO8403474A1] An ink jet printing head comprises essentially a first modulation element (1) wherein are integrated in a base (19) the modulation body (31) and an orientable cylindrical plate (22) carrying the ejection means, enabling the optimalization of the jet perpendicularity. It further comprises a second electrode-holder element (2) consisting of a support (40). The first and the second element are made integral respectively of the casing (8) and of a moving portion (11) of the cover (9). A shaft (34) allows the articulation of said portion (11) of the cover (9) with respect to the base (19). Means (50) provide for the positioning of slots (41) and (42) of the electrodes (3 and 4) with respect to the ejection axis xy of the jet.

IPC 1-7
B41J 3/04

IPC 8 full level
B41J 2/01 (2006.01); **B41J 2/015** (2006.01); **B41J 2/07** (2006.01); **B41J 2/085** (2006.01); **B41J 2/09** (2006.01); **B41J 2/135** (2006.01); **B41J 2/16** (2006.01)

CPC (source: EP US)
B41J 2/01 (2013.01 - EP US); **B41J 2/02** (2013.01 - EP US); B41J 2002/14362 (2013.01 - EP US); B41J 2202/14 (2013.01 - EP US)

Citation (examination)
- IBM Technical Disclosure Bulletin, vol. 15, no. 5, octobre 1972, Armonk (US), J.H.Meier:"Mechanical X-Y Aiming of Ink-Jet Printer Nozzles", page 1683
- IBM Technical Disclosure Bulletin, vol. 17, no. 9, février 1975, Armonk (US), R.E. Pelkie et al.:"Cassette Ink-Jet Head", pages 2622-2623

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 8403474 A1 19840913; AU 2575584 A 19840928; AU 576751 B2 19880908; CA 1225876 A 19870825; DE 3473582 D1 19880929; EP 0135558 A1 19850403; EP 0135558 B1 19880824; FR 2542257 A1 19840914; FR 2542257 B1 19850802; IT 1182256 B 19871005; IT 8453065 V0 19840307; IT 8467211 A0 19840307; JP H0452779 B2 19920824; JP S60500660 A 19850509; US 4617574 A 19861014

DOCDB simple family (application)
FR 8400041 W 19840228; AU 2575584 A 19840228; CA 449038 A 19840307; DE 3473582 T 19840228; EP 84900990 A 19840228; FR 8303975 A 19830307; IT 5306584 U 19840307; IT 6721184 A 19840307; JP 50103984 A 19840228; US 67619584 A 19841023