

Title (en)  
PROCESS FOR THE PRODUCTION OF A PIEZOELECTRIC INK PRINTING HEAD

Publication  
**EP 0358723 B1 19920102 (DE)**

Application  
**EP 88905711 A 19880718**

Priority  
DE 3725500 A 19870731

Abstract (en)  
[origin: WO8900920A1] Piezoelectric ink printing head in which at least one piezoelectric drive unit (1) acts on the ink in a channel (5) in such a way as to cause a drop-like jet of ink to be ejected from a nozzle (22) through piezoelectric constriction. The drive element (1) contains a piezo-ceramic part (2) with an ink channel (5); a first electrode (3) is positioned on the piezo-ceramic part (2) together with a second electrode (4) which is insulated from the first (3). The nozzle front (21) having at least one nozzle (22) is directly connected to the piezo-ceramic parts (2). The method provides for the ink printing head to be made in one piece from piezo-ceramic strip (46) with channel-like cavities and metal coatings.

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IPC 8 full level  
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Patent Abstracts of Japan, volume 9, Nr. 235 )M-415)(1958), 21 September 1985; JP - A - 60 090 770 (H. KOTOU) 21 May 1983.

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