

Title (en)  
Inkjet printhead

Title (de)  
Tintenstrahldruckkopf

Title (fr)  
Tête d'impression à jet d'encre

Publication  
**EP 1859942 A1 20071128 (EN)**

Application  
**EP 07250285 A 20070124**

Priority  
CN 200610083015 A 20060525

Abstract (en)  
An inkjet printhead (100) including a substrate (110), a plurality of heaters (120), multiple pairs of leads (125), an ink chamber layer (130), and a nozzle plate (140) is provided. The substrate (110) has a top surface (112) and a plurality of ink channels (114) through the substrate (110) in the direction substantially vertical to the top surface (112). The heaters (120), the multiple pairs of leads (125), and the ink chamber layer (130) are disposed on the surface (112) of the substrate (110). The multiple pairs of leads (125) are electrically coupled to the corresponding heaters (120) respectively, and the heaters (120) are respectively adjacent to the corresponding ink channels (114). The ink chamber layer (130) has a plurality of ink chambers (132) which respectively expose the corresponding heaters (120) and the corresponding ink channels (114). The nozzle plate (140) is disposed on the ink chamber layer (130) and has a plurality of nozzles (142) through the nozzle plate (140).

IPC 8 full level  
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Citation (search report)  
• [X] EP 1484178 A1 20041208 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [X] US 2004017441 A1 20040129 - SHIN JONG-CHEOL [KR], et al  
• [X] US 6561626 B1 20030513 - MIN JAE-SIK [KR], et al

Citation (examination)  
US 2003137562 A1 20030724 - KAWAMURA NAOTO A [US], et al

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