

Title (en)  
LIQUID JET RECORDING HEAD AND LIQUID JET RECORDING APPARATUS

Publication  
**EP 0593040 A3 19950927 (EN)**

Application  
**EP 93116573 A 19931013**

Priority  
JP 27708192 A 19921015

Abstract (en)  
[origin: EP0593040A2] A heater board(1) having a plurality of energy generating elements disposed thereon to discharge recording liquid droplets therefrom is adhesively secured to a base plate(5). A plurality of ink flow paths are formed on a solid layer(8) deposited on the heater board(1). In addition, a ceiling plate(2) having a common liquid chamber communicated with the ink flow paths is mounted on the solid layer(8), and the ceiling plate(2) is thrust against the solid layer by the resilient force of a comb-shaped retaining leaf spring(7). <IMAGE> <IMAGE>

IPC 1-7  
**B41J 2/16**

IPC 8 full level  
**B41J 2/01** (2006.01); **B41J 2/05** (2006.01); **B41J 2/14** (2006.01); **B41J 2/16** (2006.01); **B41J 2/175** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [YA] EP 0440469 A2 19910807 - CANON KK [JP]  
• [YA] US 4629926 A 19861216 - SIEGAL BURTON L [US]  
• [A] US 4564851 A 19860114 - NILSSON KENTH [SE], et al  
• [A] US 4343013 A 19820803 - BADER LEONHARD, et al  
• [A] US 5121225 A 19920609 - MURATA MASAYOSHI [JP], et al

Cited by  
EP0933224A3; EP0670220A3; EP0709201A3; US5888333A; US6209988B1; US6168254B1

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