

Title (en)
Liquid jet recording head and liquid jet recording apparatus

Title (de)
Flüssigkeitstrahlaufzeichnungskopf und Vorrichtung

Title (fr)
Tête d'enregistrement par jet de liquide et appareil

Publication
EP 0593040 B1 20000322 (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)
B41J 2/14024 (2013.01); **B41J 2/1604** (2013.01); **B41J 2/1623** (2013.01); **B41J 2/1626** (2013.01); **B41J 2/1632** (2013.01); **B41J 2/1634** (2013.01); **B41J 2/1637** (2013.01); **B41J 2202/21** (2013.01)

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

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0593040 A2 19940420; **EP 0593040 A3 19950927**; **EP 0593040 B1 20000322**; DE 69328150 D1 20000427; DE 69328150 T2 20000921; JP 3190454 B2 20010723; JP H06126943 A 19940510

DOCDB simple family (application)
EP 93116573 A 19931013; DE 69328150 T 19931013; JP 27708192 A 19921015