

Title (en)

Inkjet recording head, piezoelectric vibration element unit, and method of manufacturing the piezoelectric vibration element unit

Title (de)

Tintenstrahlaufzeichnungskopf, piezoelektrische Vibratorelementeinheit und Verfahren zur Herstellung der piezoelektrischen Vibratorelementeinheit

Title (fr)

Tête d'enregistrement à jet d'encre, unité d'éléments de vibration piézoélectrique, et méthode de fabrication de l'unité d'éléments de vibration piézoélectrique

Publication

EP 1040923 A2 20001004 (EN)

Application

EP 00106070 A 20000329

Priority

- JP 8578899 A 19990329
- JP 2000076269 A 20000317

Abstract (en)

A dummy piezoelectric element (7) is disposed at least at one of the ends of an array of piezoelectric vibration elements. A region not including internal electrodes is provided in the vicinity of the outer side surface of the dummy piezoelectric vibration element 7 to be formed. When the outer side surface of the dummy piezoelectric element 7 is cut, a shift of a cutting line from a correct cutting line, which is due to high hardness of the internal electrodes, is minimized. <IMAGE>

IPC 1-7

B41J 2/14; **B41J 2/16**

IPC 8 full level

B41J 2/14 (2006.01); **B41J 2/16** (2006.01)

CPC (source: EP)

B41J 2/14201 (2013.01); **B41J 2/1612** (2013.01); **B41J 2/1623** (2013.01); **B41J 2/1632** (2013.01); **B41J 2/1642** (2013.01); **B41J 2/1646** (2013.01); **B41J 2002/14387** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1040923 A2 20001004; **EP 1040923 A3 20001108**; **EP 1040923 B1 20031203**; AT E255505 T1 20031215; DE 60006878 D1 20040115; DE 60006878 T2 20041014

DOCDB simple family (application)

EP 00106070 A 20000329; AT 00106070 T 20000329; DE 60006878 T 20000329