

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 A3 20001108 (EN)

Application

EP 00106070 A 20000329

Priority

- JP 8578899 A 19990329
- JP 2000076269 A 20000317

Abstract (en)

[origin: EP1040923A2] 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)

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Citation (search report)

- [A] EP 0861725 A2 19980902 - SEIKO EPSON CORP [JP]
- [A] EP 0860279 A1 19980826 - SEIKO EPSON CORP [JP]
- [AX] EP 0761447 A2 19970312 - SEIKO EPSON CORP [JP]
- [A] WO 9600151 A1 19960104 - CITIZEN WATCH CO LTD [JP], et al & US 5945773 A 19990831 - NAGASHIMA MITSUYOSHI [JP]
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- [A] DE 19745980 A1 19981001 - FUJITSU LTD [JP]

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