

Title (en)
Arrangement for plate-like piezoelectric actuators and method of manufacturing

Title (de)
Anordnung für plattenförmige Piezoaktoren und Verfahren zu deren Herstellung

Title (fr)
Disposition pour organes d'actionnement piézoélectriques et procédé de fabrication

Publication
EP 0695641 B1 20010404 (DE)

Application
EP 95250165 A 19950706

Priority
DE 4428847 A 19940803

Abstract (en)
[origin: EP0695641A2] Each actuator (1) has electrodes (13,14) applied to both sides. One electrode is divided into eight parallel segments (13.1,13.8) overlying an active region (11). The other electrode (14) extends without interruption over the underside and part of the topside of an inactive region (12). The electrodes of identically constructed actuators are contacted directly by the conductors of a ribbon cable for control purposes. In mfr. there are several possible sequences of structuring and attachment to the diaphragm plate after metallisation and polarisation of the piezoelectric (pref. PZT) slab.

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 US)
B41J 2/14233 (2013.01 - EP US); **B41J 2/161** (2013.01 - EP US); **B41J 2/1623** (2013.01 - EP US); **B41J 2/1626** (2013.01 - EP US); **B41J 2/1632** (2013.01 - EP US); **B41J 2/1634** (2013.01 - EP US); **B41J 2/1642** (2013.01 - EP US); **B41J 2/1643** (2013.01 - EP US); **B41J 2/1645** (2013.01 - EP US); **B41J 2/1646** (2013.01 - EP US); **B41J 2002/14379** (2013.01 - EP US); **B41J 2002/14491** (2013.01 - EP US)

Cited by
EP0931651A4; US6338549B1; US6408513B1

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EP 0695641 A2 19960207; **EP 0695641 A3 19970312**; **EP 0695641 B1 20010404**; DE 59509149 D1 20010510; US 5729263 A 19980317; US 5883651 A 19990316

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