

Title (en)

PIEZOELECTRIC ACTUATOR UNIT, INKJET HEAD, INKJET RECORDING APPARATUS, HEAD CHIP, AND WIRING SUBSTRATE

Title (de)

PIEZOELEKTRISCHE AKTUATOREINHEIT, TINTENSTRAHLKOPF, TINTENSTRAHLAUFZEICHNUNGSVORRICHTUNG, KOPFCHIP UND VERDRAHTUNGSSUBSTRAT

Title (fr)

UNITÉ ACTIONNEUR PIÉZO-ÉLECTRIQUE, TÊTE À JET D'ENCRE, APPAREIL D'ENREGISTREMENT À JET D'ENCRE, PUCE DE TÊTE ET SUBSTRAT DE CÂBLAGE

Publication

EP 3159168 A1 20170426 (EN)

Application

EP 16188279 A 20160912

Priority

JP 2015185761 A 20150918

Abstract (en)

In a piezoelectric actuator unit including a plurality of sets, each set including a plurality of piezoelectric elements a1 to a3, b1 to b3, c1 to c3, individual electrodes Pa1 to Pa3, Pb1 to Pb3, Pc1 to Pc3, each supplying an electrical signal to a corresponding one of the plurality of piezoelectric elements, and a common electrode Ca, Cb, Cc that supplies a common electrical signal to each of the plurality of piezoelectric elements, the individual electrodes and the common electrode of each set being electrically independent of one another, a plurality of the common electrodes are connected to each other by an inter-common electrode resistance R1 in at least one place, and the electric resistivity of the inter-common electrode resistance R1 is higher than the electric resistivity of the common electrodes Ca, Cb, Cc and is lower than the electric resistivity of a member forming a face on which the common electrodes Ca, Cb, Cc are formed.

IPC 8 full level

B41J 2/14 (2006.01)

CPC (source: EP)

B41J 2/14233 (2013.01); **B41J 2002/14491** (2013.01)

Citation (applicant)

- JP 2007008044 A 20070118 - SEIKO EPSON CORP
- JP 2015051587 A 20150319 - KONICA MINOLTA INC

Citation (search report)

- [A] EP 0820871 A2 19980128 - SEIKO EPSON CORP [JP]
- [A] JP 2002361870 A 20021218 - CASIO COMPUTER CO LTD
- [A] US 2012206540 A1 20120816 - KATO MASAKI [JP], et al
- [A] JP 2005136130 A 20050526 - KYOCERA CORP

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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