

Title (en)

Inkjet head and method for producing inkjet head

Title (de)

Tintenstrahlkopf und Verfahren zur Herstellung des Tintenstrahlkopfs

Title (fr)

Tête à jet d'encre et procédé de production de tête à jet d'encre

Publication

EP 2853395 A1 20150401 (EN)

Application

EP 14183512 A 20140904

Priority

JP 2013201557 A 20130927

Abstract (en)

An inkjet head includes a head chip that includes a channel row in which a driving wall including a piezoelectric element and a channel are alternately arranged side by side and that outlet and inlet of the channel are arranged in front and rear faces and a driving electrode is formed on a wall face of the driving wall facing inside the channel. A lead-out electrode that is electrically connected with a driving electrode is formed on the rear face of the head chip for every channel. A wiring on the FPC is electrically connected with the lead-out electrode. The FPC is bent from the vicinity of an electric connection part between the lead-out electrode and the wiring and extends in a rearward direction of the head chip and has a space in the rear of the electric connection part.

IPC 8 full level

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

CPC (source: EP)

B41J 2/14209 (2013.01); **B41J 2/1609** (2013.01); **B41J 2/1623** (2013.01); **B41J 2002/14362** (2013.01); **B41J 2002/14491** (2013.01); **B41J 2202/11** (2013.01)

Citation (applicant)

- JP 2011183574 A 20110922 - KONICA MINOLTA IJ TECHNOLOGIES
- WO 2011074412 A1 20110623 - KONICA MINOLTA IJ TECHNOLOGIES [JP], et al

Citation (search report)

- [X] US 2007030316 A1 20070208 - WATANABE HIDEO [JP]
- [A] US 2011205312 A1 20110825 - MIYATA YOSHINAO [JP], et al
- [A] EP 2514597 A1 20121024 - KONICA MINOLTA IJ TECHNOLOGIES [JP]
- [A] US 2006290744 A1 20061228 - LEE JAO-CHEOL [KR], et al

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)

EP 2853395 A1 20150401; **EP 2853395 B1 20170111**; JP 2015066746 A 20150413; JP 6281221 B2 20180221

DOCDB simple family (application)

EP 14183512 A 20140904; JP 2013201557 A 20130927