

Title (en)

INKJET HEAD MANUFACTURING METHOD AND INKJET HEAD

Title (de)

TINTENSTRAHLKOPFHERSTELLUNGSVERFAHREN UND TINTENSTRAHLKOPF

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE TÊTE DE JET D'ENCRE ET TÊTE DE JET D'ENCRE CORRESPONDANTE

Publication

**EP 2921302 B1 20171101 (EN)**

Application

**EP 13855312 A 20131113**

Priority

- JP 2012249908 A 20121114
- JP 2013080618 W 20131113

Abstract (en)

[origin: EP2921302A1] Provided are an inkjet head manufacturing method capable of limiting cost increases while easily maintaining high positional precision of nozzle arrangement, and an inkjet head. The method comprises a first layering process and a first bonding process. The first layering process: layers, via a first adhesive layer, on one surface of a channel member, which is configured from a single member and has a shape in which grooves that will become the ink channels are formed on the one surface and no grooves are formed on the surface on the opposite side, a cover member that is configured from a single member with a different linear expansion coefficient from the channel member; and layers, via a second adhesive layer on the opposite surface, a first thermal deformation-limiting member, which is configured from a single member with a different linear expansion coefficient from the channel member and which limits the thermal deformation that occurs due to the difference in linear expansion coefficients of the channel member and the cover member. The first bonding process heats and cures the first and second adhesive layers simultaneously and bonds the cover member, the channel member, and the first thermal deformation-limiting member.

IPC 8 full level

**B41J 2/16** (2006.01); **B41J 2/045** (2006.01); **B41J 2/055** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP)

**B41J 2/14209** (2013.01); **B41J 2/1609** (2013.01); **B41J 2/1623** (2013.01)

Cited by

CN111421958A

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

DOCDB simple family (publication)

**EP 2921302 A1 20150923**; **EP 2921302 A4 20161012**; **EP 2921302 B1 20171101**; JP WO2014077261 A1 20170105; WO 2014077261 A1 20140522

DOCDB simple family (application)

**EP 13855312 A 20131113**; JP 2013080618 W 20131113; JP 2014546997 A 20131113