

Title (en)

LIQUID DISCHARGE HEAD, LIQUID DISCHARGE APPARATUS, AND METHOD FOR MANUFACTURING LIQUID DISCHARGE HEAD

Title (de)

FLÜSSIGKEITSAUSSTOSSKOPF, FLÜSSIGKEITSAUSSTOSSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES FLÜSSIGKEITSAUSSTOSSKOPFES

Title (fr)

TÊTE DE DÉCHARGE DE LIQUIDE, APPAREIL DE DÉCHARGE DE LIQUIDE ET PROCÉDÉ DE FABRICATION DE TÊTE DE DÉCHARGE DE LIQUIDE

Publication

**EP 3858621 B1 20230329 (EN)**

Application

**EP 21150875 A 20210111**

Priority

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- JP 2020155546 A 20200916

Abstract (en)

[origin: EP3858621A1] A liquid discharge head (100) includes a nozzle plate (1) configured to vibrate to discharge liquid. The nozzle plate includes a substrate (81), a piezoelectric body (82), and a nozzle orifice (4). The piezoelectric body (82) is disposed closer to a discharge target than the substrate, the piezoelectric body (82) including lead zirconate titanate (PZT). The nozzle orifice (4) penetrates the substrate and the piezoelectric body. When a direction from one opening to another opening in the nozzle orifice is a discharge direction of the liquid, the PZT has a crystal structure extending parallel with the discharge direction.

IPC 8 full level

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