

Title (en)
INK-JET RECORDING DEVICE AND RECORDING OPERATION DRIVING METHOD

Title (de)
TINTENSTRAHLAUFZEICHNUNGSVORRICHTUNG UND VERFAHREN ZUR ANSTEUERUNG DES AUFZEICHNUNGSBETRIEBS

Title (fr)
DISPOSITIF D'ENREGISTREMENT À JET D'ENCRE ET PROCÉDÉ DE PILOTAGE D'OPÉRATION D'ENREGISTREMENT

Publication
EP 4091819 B1 20240529 (EN)

Application
EP 20914016 A 20200115

Priority
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Abstract (en)
[origin: EP4091819A1] Provided is an ink-jet recording device in which a head driving unit for driving a recording operation of an ink-jet head is configured to be able to apply a discharge driving pulse Pa for causing an ink to be discharged from a nozzle, and a non-discharge driving pulse Pb for moving a meniscus formed in the nozzle without causing the ink to be discharged from the nozzle. Furthermore, the head driving unit carries out: during an ink discharge period for forming one dot during the recording operation, discharge driving in which the discharge driving pulse is applied a number of times up to a number n of gradations with respect to one dot to be landed on a recording medium, wherein the dot diameter is changed according to the number of times; and, during an ink non-discharge period during the recording operation, non-discharge driving in which the non-discharge driving pulse is applied m times which is equal to or greater than the number n of gradations for a period equal to the ink discharge period for forming the one dot, to move the meniscus.

IPC 8 full level
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