

Title (en)

RECORDING APPARATUS AND RECORDING METHOD

Title (de)

AUFZEICHNUNGSVORRICHTUNG UND AUFZEICHNUNGSVERFAHREN

Title (fr)

APPAREIL ET PROCÉDÉ D'ENREGISTREMENT

Publication

EP 3626462 A1 20200325 (EN)

Application

EP 19195988 A 20190906

Priority

JP 2018175209 A 20180919

Abstract (en)

A recording apparatus (250, 250a, 250b) includes a recording head (160, 160a), a light source (150), an irradiation optical device (110), a coupling optical device (120), a detector (130), and an arithmetic device (140). The recording head (160, 160a) is configured to eject liquid containing scattering particles. The irradiation optical device (110) is configured to irradiate the recording head (160, 160a) with an irradiation light being at least a part of light emitted from the light source (150). The coupling optical device (120) is configured to couple reflected or scattered light with reference light to form a coupled light. The detector (130) is configured to detect the coupled light formed by the coupling optical device (120). The arithmetic device (140) is configured to acquire an optical interference tomographic image of the liquid inside the recording head (160, 160a) based on the coupled light.

IPC 8 full level

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CPC (source: EP)

B41J 2/16579 (2013.01); **B41J 2/2142** (2013.01)

Citation (applicant)

JP 2005161838 A 20050623 - SEIKO EPSON CORP

Citation (search report)

- [XA] JP 2018043429 A 20180322 - RICOH CO LTD
- [AD] US 2005116979 A1 20050602 - TAKANO YUTAKA [JP]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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