

Title (en)

Liquid-Discharge-Failure Detecting Apparatus and Inkjet Recording Apparatus

Title (de)

Fehlerdetektionsgerät für Flüssigkeitsausstoß und Tintenstrahlaufzeichnungsgerät

Title (fr)

Appareil de détection de défaillance de libération de liquide et appareil d'impression par jet d'encre

Publication

EP 2145768 A1 20100120 (EN)

Application

EP 08160421 A 20080715

Priority

EP 08160421 A 20080715

Abstract (en)

A light-emitting element (14) emits a beam onto a droplet discharged from a nozzle (nN) from a direction opposite to a direction of discharge of the droplet. A light-receiving element (17) receives a scattered light generated by scattering of the beam by the droplet. Finally, a failure detecting unit detects a liquid discharge failure of the nozzle (nN) from data of the scattered light received by the light-receiving element (17).

IPC 8 full level

B41J 2/125 (2006.01); **B41J 2/21** (2006.01)

CPC (source: EP)

B41J 2/125 (2013.01); **B41J 2/2142** (2013.01)

Citation (applicant)

- JP 2007005363 A 20070111 - NIKON CORP, et al
- JP 2007011578 A 20070118 - CANON KK
- JP 2000280461 A 20001010 - SEIKO EPSON CORP

Citation (search report)

- [A] EP 0110634 A2 19840613 - SPERRY CORP [US]
- [A] EP 0671272 A2 19950913 - CANON KK [JP]
- [A] US 4510504 A 19850409 - TAMAI MASAYOSHI [JP], et al

Cited by

EP2611618A4; US10434790B2; US8770707B2; WO2017102016A1; WO2012030344A1; US8864289B2

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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