

Title (en)
Liquid ejecting system

Title (de)
Flüssigkeitsausgabesystem

Title (fr)
Système d'éjection de liquide

Publication
EP 2165835 A3 20101229 (EN)

Application
EP 09170049 A 20090911

Priority
JP 2008240589 A 20080919

Abstract (en)
[origin: EP2165835A2] A liquid ejecting system includes a liquid cartridge, a mounting portion to which the liquid cartridge is mounted, a mount detector configured to detect the liquid cartridge mounted to the mounting portion, an optical detector comprising a light emitter and a light receiver, a magnetic field generator, a magnetic field controller, and a state determiner configured to determine a state of the liquid cartridge. The liquid cartridge includes a liquid chamber for storing liquid, and a pivotable member configured to move relative to a position of a surface of the liquid in the liquid chamber, and a contact portion. The pivotable member comprises a ferromagnetic portion. The magnetic field generator is configured to generate a magnetic field from which the ferromagnetic portion receives a force. The magnetic field controller is configured to control the magnetic field generator such that strength of the magnetic field around the ferromagnetic portion changes.

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/17509 (2013.01); **B41J 2/17513** (2013.01); **B41J 2/17553** (2013.01); **B41J 2/17566** (2013.01); **B41J 29/38** (2013.01)

Citation (search report)
• [A] US 2007019010 A1 20070125 - KATADA MASAHIRO [JP]
• [A] US 5040002 A 19910813 - POLLACEK JAMES E [US], et al

Cited by
CN103182850A

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
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EP 2165835 A2 20100324; EP 2165835 A3 20101229; EP 2165835 B1 20110907; AT E523341 T1 20110915; JP 2010069758 A 20100402

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