

Title (en)
Image forming apparatus

Title (de)
Bilderzeugungsvorrichtung

Title (fr)
Appareil de formation d'images

Publication
EP 2143560 A1 20100113 (EN)

Application
EP 09251718 A 20090703

Priority
JP 2008179667 A 20080710

Abstract (en)
An image forming apparatus includes a carriage (5) which scans in a main scanning direction by being moved and includes a recording head (6) having nozzles for ejecting liquid droplets, a first mark (31) and a second mark (32) disposed at positions facing a nozzle surface (6n) of the recording head (6) by having different heights from each other, a mark reading sensor (33) attached to the carriage (5) for detecting the first mark (31) and the second mark (32), and a slant angle detecting unit which detects a slant angle of the carriage (5) in a height direction relative to the main scanning direction based on a detection result by the mark reading sensor (33).

IPC 8 full level
B41J 2/01 (2006.01); **B41J 2/175** (2006.01); **B41J 25/304** (2006.01)

CPC (source: EP)
B41J 2/04556 (2013.01); **B41J 2/04586** (2013.01); **B41J 2/1752** (2013.01); **B41J 2/2135** (2013.01); **B41J 25/308** (2013.01)

Citation (applicant)

- JP 2007185870 A 20070726 - CANON KK
- JP 2007044948 A 20070222 - CANON KK
- JP 2000233495 A 20000829 - RICOH KK
- JP 2003334941 A 20031125 - CANON KK
- JP 2008179667 A 20080807 - ASAHI KASEI FIBERS CORP

Citation (search report)

- [A] JP 2007276264 A 20071025 - CANON KK
- [DA] JP 2007044948 A 20070222 - CANON KK

Cited by
EP2635015A3; US9286551B2

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)
AL BA RS

DOCDB simple family (publication)
EP 2143560 A1 20100113; **EP 2143560 B1 20101110**; AT E487602 T1 20101115; DE 602009000337 D1 20101223; JP 2010017920 A 20100128; JP 5101416 B2 20121219

DOCDB simple family (application)
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