

Title (en)
Image forming apparatus comprising process cartridge and led head array

Title (de)
Bilderzeugungsvorrichtung mit Prozesskartusche und LED-Kopf Anordnung

Title (fr)
Appareil de formation d'images avec cartouche de processus et réseau de tête a DEL

Publication
EP 2431817 A1 20120321 (EN)

Application
EP 11180084 A 20110905

Priority
JP 2010206693 A 20100915

Abstract (en)
An image forming apparatus (50) includes a process cartridge (3a) that has a photosensitive element (4a) and is provided removably at a mounting position of an apparatus body (1); an LED head array (8a) that is provided in the apparatus body (1) and illuminates the photosensitive element (4a); a withdrawing unit (27) that withdraws the LED head array (8a) to a withdrawn position, when the process cartridge (3a) is not mounted at the mounting position; a moving unit (26) that moves the LED head array (8a) to an irradiation position interlockingly with mounting operation of the process cartridge (3a), using the mounting operation as a driving force; and a fixing unit (34) that fixes the process cartridge (3a) to the mounting position and that fixes the LED head array (8a) to the irradiation position, when the process cartridge (3a) has been mounted to the mounting position.

IPC 8 full level
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CPC (source: EP)
G03G 15/04054 (2013.01); **G03G 15/326** (2013.01); **G03G 21/1846** (2013.01); **G03G 21/185** (2013.01)

Citation (applicant)
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• JP 2010206693 A 20100916 - HITACHI LTD

Citation (search report)
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Designated contracting state (EPC)
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Designated extension state (EPC)
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