

Title (en)
INK CARTRIDGE AND RECORDING APPARATUS

Title (de)
TINTENPATRONE UND AUFZEICHNUNGSVORRICHTUNG

Title (fr)
CARTOUCHE D'ENCRE ET APPAREIL D'ENREGISTREMENT

Publication
EP 2952353 A2 20151209 (EN)

Application
EP 15172994 A 20110330

Priority
• EP 15172994 A 20110330
• EP 11160393 A 20110330

Abstract (en)
An ink cartridge (30, 30A, 30B) for installing in a cartridge mounting portion of a recording apparatus, comprises a body (31, 31A, 31B) having a front side at which an ink supply portion (37) is located for supplying ink stored in an ink chamber (36) to an exterior of the ink chamber (36), a rear side located to face the front side, an upper surface (39) and a bottom surface (41) opposite to the upper surface (39), the upper surface (39) extending from a front surface (40) positioned at the front side to a rear surface (42) positioned at the rear side, and wherein the bottom surface (41) is provided with an engagement portion (90), and a particular interface (46) positioned substantially adjacent to the ink supply portion (37) at the front side, wherein the particular interface (46) is configured to be biased by a biasing member (139) in a specific direction (55). The engagement portion (90) configured to be engaged with a locking section (108) of a cartridge installation portion (110, 810) for retaining the body (31, 31A, 31B) in an installed state from moving in the specific direction (55) against a biasing force of the biasing member (139). The engagement portion comprises a first guide surface (91) and a second guide surface (92), and wherein the first guide surface (91) and the bottom surface (41) define a first angle (α_1) therebetween and the second guide surface (92) and the bottom surface (41) define a second angle (α_2) therebetween greater than the first angle (α_1).

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/17513 (2013.01); **B41J 2/1752** (2013.01); **B41J 2/17553** (2013.01)

Citation (applicant)
JP 2005288866 A 20051020 - SEIKO EPSON CORP

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2505363 A2 20121003; **EP 2505363 A3 20121121**; **EP 2505363 B1 20150729**; EP 2952353 A2 20151209; EP 2952353 A3 20160629; EP 2952353 B1 20190522; EP 2952354 A2 20151209; EP 2952354 A3 20160629; EP 2952354 B1 20191016

DOCDB simple family (application)
EP 11160393 A 20110330; EP 15172994 A 20110330; EP 15172999 A 20110330