

Title (en)

Ink supplying device and ink jet recording apparatus using the same

Title (de)

Tintenversorgungsvorrichtung und zugehöriges Tintenstrahlaufzeichnungsgerät

Title (fr)

Dispositif d'alimentation en encre et appareil d'enregistrement à jet d'encre utilisant un même dispositif

Publication

**EP 0684139 B1 19981028 (EN)**

Application

**EP 95110640 A 19910213**

Priority

- EP 91102045 A 19910213
- JP 3170490 A 19900213
- JP 3171590 A 19900213
- JP 3173190 A 19900213
- JP 3173590 A 19900213
- JP 1993991 A 19910213

Abstract (en)

[origin: EP0442485A2] An ink cartridge adapted to be loaded detachably to an ink jet recording apparatus for preforming a recording on a recording medium by discharging ink comprises an ink tank for accommodating ink therein, leading-out means for leading out ink within said ink tank to the outside, said leading-out means being provided on said ink tank, and a frame for supporting displaceably said ink tank on which said leading-out means is provided. Also, an ink jet recording apparatus for preforming a recording on a recording medium (1) comprises a recording head (38) for discharging ink from a discharge port to carry out the recording on the recording medium (1), a loading part for loading therein an ink cartridge, said loading part having an ink tank for accommodating ink therein, leading-out means for leading out ink within said ink tank to the outside, said leading-out means being provided on said ink tank and a frame for supporting displaceably said ink tank on which said leading-out means is provided, and ink supplying means (G) for supplying ink to said recording head (38) by coupling to the lead-out means of said ink cartridge which is loaded in said loading part. <IMAGE> <IMAGE>

IPC 1-7

**B41J 2/19**; **B41J 2/175**

IPC 8 full level

**B41J 2/165** (2006.01); **B41J 2/175** (2006.01)

CPC (source: EP)

**B41J 2/16523** (2013.01); **B41J 2/16585** (2013.01); **B41J 2/17513** (2013.01); **B41J 2/1752** (2013.01)

Cited by

US5844580A; EP0997286A1; EP0913262A1; EP0860283A1; US5984452A; US5844579A; EP0778141A1; US6305778B1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

**EP 0442485 A2 19910821**; **EP 0442485 A3 19911023**; **EP 0442485 B1 19961009**; DE 69122523 D1 19961114; DE 69122523 T2 19970227; DE 69130429 D1 19981203; DE 69130429 T2 19990527; EP 0684139 A1 19951129; EP 0684139 B1 19981028

DOCDB simple family (application)

**EP 91102045 A 19910213**; DE 69122523 T 19910213; DE 69130429 T 19910213; EP 95110640 A 19910213