

## Title (en)

Ink cartridge, main body and refill unit

## Title (de)

Tintenpatrone, Hauptgehäuseanordnung und Nachfülleinheit

## Title (fr)

Cartouche d'encre, corps principal et unité de recharge

## Publication

**EP 1790480 A1 20070530 (EN)**

## Application

**EP 06013000 A 20060623**

## Priority

- JP 2005342697 A 20051128
- JP 2005345866 A 20051130
- JP 2005377987 A 20051228
- JP 2006081806 A 20060323

## Abstract (en)

(PROBLEM) To provide a refill unit, which allows the user, to easily install and remove ink cartridges. (MEANS FOR SOLVING) The refill unit 70 comprises a case 75 and an ink cartridge 63 which is housed in the case 75. The case 75 has an opening 88 on its front surface. Case 75 has a door 76, and this door 76 opens and closes said opening 88. Door 76 comprises pullout members 77. When door 76 is opened, the pullout members 77 pull the ink cartridge 63 out from the case 75. When the door 76 is closed, the pullout members 77 extend in the front-back direction and guide the insertion of a new ink cartridge. The pullout members 77 are arranged opposite each other in the width direction of the ink cartridge 63. The widthwise dimension of the pullout members 77 is set to be smaller than the width dimension of ink cartridge 63.

## IPC 8 full level

**B41J 2/175** (2006.01)

## CPC (source: EP)

**B41J 2/1752** (2013.01); **B41J 2/17553** (2013.01)

## Citation (applicant)

- JP H11348303 A 19991221 - SEIKO EPSON CORP
- JP H10109427 A 19980428 - SEIKO EPSON CORP
- JP 2004345246 A 20041209 - MATSUSHITA ELECTRIC IND CO LTD
- JP 2005219416 A 20050818 - SEIKO EPSON CORP [JP]
- JP 2005096446 A 20050414 - SEIKO EPSON CORP
- JP H06106730 A 19940419 - CANON KK

## Citation (search report)

- [XY] EP 0478244 A2 19920401 - CANON KK [JP]
- [XAY] US 2004135857 A1 20040715 - HASHII KAZUHIRO [JP], et al
- [Y] WO 9855322 A1 19981210 - HEWLETT PACKARD CO [US]

## Cited by

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## Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

## Designated extension state (EPC)

AL BA HR MK YU

## DOCDB simple family (publication)

**EP 1790480 A1 20070530; EP 1790480 B1 20080917; EP 1790480 B2 20181226;** AT E408514 T1 20081015; CN 101132927 A 20080227; CN 101132927 B 20100526; DE 202006020420 U1 20080619; DE 202006020615 U1 20090528; DE 202006020615 U9 20091022; DE 202006020616 U1 20090528; DE 602006002797 D1 20081030; ES 2313507 T3 20090301; ES 2313507 T5 20190325; HK 1117105 A1 20090109; WO 2007060789 A1 20070531

## DOCDB simple family (application)

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