

Title (en)  
Ink cartridge

Title (de)  
Tintenkartusche

Title (fr)  
Cartouche d'encre

Publication  
**EP 1862315 A3 20080730 (DE)**

Application  
**EP 07010664 A 20070530**

Priority  
DE 102006026258 A 20060602

Abstract (en)  
[origin: EP1862315A2] The cartridge has a differential pressure valve (8) arranged in an ink outlet opening (4) and comprising a valve seat (9) and a valve body (15) that is movable relative to the valve seat. The valve seat has a valve opening with a circulating sealing surface (11), and a pressure spring (17) is arranged between the valve body and the ink outlet. The valve body is pressed against the sealing surface by using the pressure spring and movable against a closing pressure. The valve body is designed in a deformable manner, such that the sealing surface is movable relative to the ink outlet opening.

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: EP US)  
**B41J 2/17513** (2013.01 - EP US); **B41J 2/17523** (2013.01 - EP US); **B41J 2/17556** (2013.01 - EP US); **B41J 2/17596** (2013.01 - EP US)

Citation (search report)

- [X] EP 0709207 A2 19960501 - SEIKO EPSON CORP [JP]
- [X] JP 2001113723 A 20010424 - SEIKO EPSON CORP
- [X] EP 1454754 A1 20040908 - SEIKO EPSON CORP [JP]

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1862315 A2 20071205; EP 1862315 A3 20080730; EP 1862315 B1 20100915**; DE 102006026258 A1 20071206;  
DE 502007005019 D1 20101028; US 2007279463 A1 20071206; US 7845780 B2 20101207

DOCDB simple family (application)  
**EP 07010664 A 20070530**; DE 102006026258 A 20060602; DE 502007005019 T 20070530; US 80241607 A 20070522