

Title (en)  
Ink cartridge

Title (de)  
Tintenpatrone

Title (fr)  
Cartouche d'encre

Publication  
**EP 1787817 B1 20080827 (EN)**

Application  
**EP 06012999 A 20060623**

Priority  
• JP 2005284646 A 20050929  
• JP 2005342686 A 20051128  
• US 44257706 A 20060530

Abstract (en)  
[origin: WO2007037547A1] An ink cartridge includes a cartridge case enclosing an ink chamber; a path extending from the ink chamber to an exterior of the ink cartridge; a valve member provided in the path, the valve member having a first state in which communication between the ink chamber and the exterior of the ink cartridge along the path is permitted and a second state in which communication between the ink chamber and the exterior of the ink cartridge along the path is prevented; and an urging member provided on an ink chamber-side of the valve member in the path, the urging member being capable of urging the valve member along the path toward the exterior of the cartridge. The urging member is formed of a resin or rubber material having elasticity; and when the valve member is in the first state, the urging member is compressed in a direction of the path.

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

CPC (source: EP)  
**B41J 2/17523** (2013.01); **B41J 2/17553** (2013.01); **B41J 2/17596** (2013.01)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 2007037547 A1 20070405; WO 2007037547 A9 20070531**; EP 1787817 A2 20070523; EP 1787817 A3 20070704; EP 1787817 B1 20080827

DOCDB simple family (application)  
**JP 2006320032 W 20060929**; EP 06012999 A 20060623