

Title (en)  
Ink container for feeding a printer

Title (de)  
Tintenbehälter zur Versorgung eines Druckers

Title (fr)  
Conteneur d'encre pour alimenter une imprimante

Publication  
**EP 1256451 A1 20021113 (EN)**

Application  
**EP 01110169 A 20010507**

Priority  
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Abstract (en)  
An ink container (10) for feeding a printer comprises a casing (12), an air vent (14) in a top portion of said casing, an ink reservoir (18) within said casing, an air bag (16) within said casing, said air bag being surrounded by said ink reservoir and connected to said air vent for enabling air to enter or leave the air bag, an ink outlet (20) in a bottom portion of said casing (12) and connected to said ink reservoir, and a spring (28) within said casing, said spring pressing on said air bag, tending to contract the air bag as this expands in response to back pressure reduction in said ink reservoir. According to the invention, this ink container (10) is characterized in that said spring (28) is a helical spring arranged between a restraining plate (34) abutting said air bag (16) and a lateral wall of said casing (12) in a manner to apply pressure on said air bag, the air bag, at the same time, abutting an opposite lateral wall of said casing. By this construction fabrication of the components of the pressure modulating system is simplified same as installation thereof. <IMAGE>

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**B41J 2/175**

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

CPC (source: EP)  
**B41J 2/17513** (2013.01); **B41J 2/17556** (2013.01)

Citation (search report)  
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