

Title (en)  
Ink tank cartridge and container therefor

Title (de)  
Tintenvorratspatrone und Behälter dafür

Title (fr)  
Cartouche de réservoir d'encre et son conteneur

Publication  
**EP 0553535 B2 20040414 (EN)**

Application  
**EP 92307270 A 19920807**

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• JP 19340292 A 19920626

Abstract (en)  
[origin: EP0553535A1] An ink tank cartridge (5) is disclosed including a housing (11,50) removably mounted onto an ink supply needle (14,90) of the ink-jet type recording apparatus body. The housing being provided with an ink supply port (15,53,71) projecting from a bottom surface of the housing both inwardly and outwardly. A porous member (21,64) for impregnating ink is positioned inside the housing abutting against the ink supply port through a filter (17,55). The ink tank cartridge being further provided with a packing member (19,57,73) resiliently abutting against an outer periphery of the ink supply needle at the end of the ink supply port. An end opening is sealed with a sealing member (20,60,77) through which the ink supply needle penetrates. Accordingly, the ink tank cartridge of the invention is advantageous in that the ink supply needle does not require a sharp tip, air is prevented from entering the ink supply path of the recording apparatus, and a tight air-seal between the ink supply needle and the ink tank can be maintained. <IMAGE>

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Opponent :  
• DE 3039165 A1 19810507 - CANON KK [JP]  
• US 4771295 A 19880913 - BAKER JEFFREY P [US], et al  
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