

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
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Application
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Abstract (en)
An ink tank cartridge (5) is disclosed including a housing (11,50) removeably 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 outwardly from a bottom surface of the housing. 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.

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B41J 2/17513 (2013.01); **B41J 2/17523** (2013.01); **B41J 2/17533** (2013.01)

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• [XA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 122 (M - 1226) 27 March 1992 (1992-03-27)
• [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 364 (M - 747) 29 September 1988 (1988-09-29)

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