

Title (en)  
Ink tank cartridge and container therefor

Title (de)  
Tintenkartusche und Behälter dafür

Title (fr)  
Cartouche d'encre et réservoir correspondant

Publication  
**EP 1241012 A2 20020918 (EN)**

Application  
**EP 02076904 A 19920807**

Priority

- EP 00200827 A 19920807
- EP 97200694 A 19920807
- JP 1283492 A 19920128
- JP 3222692 A 19920219
- JP 5815192 A 19920316
- JP 19340292 A 19920626

Abstract (en)  
An ink tank cartridge for an ink-jet type recording apparatus, the cartridge being removably mounted onto an ink supply needle (14, 90) having through holes (36, 94) of the recording apparatus, the cartridge comprising: a housing (11, 50); a porous member (21, 64) accommodated in said housing for being impregnated with an ink; an ink supply port (15, 53, 71) formed in a bottom surface of said housing, said ink supply port having an upper opening (16, 54) facing said porous member and a lower opening directing away from the bottom of said housing; characterised by: packing means (19, 57, 73) provided within said ink supply port, said packing means being arranged to abut resiliently against an outer periphery of said ink supply needle; and sealing means (20, 60, 77) comprising a thin film bonded to the lower opening of the ink supply port for sealing the opening and for being penetrated by said ink supply needle. <IMAGE> <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 2/17523** (2013.01); **B41J 2/17533** (2013.01)

Citation (applicant)

- JP H0392356 A 19910417 - SEIKO EPSON CORP
- JP S5074341 A 19750619
- JP H02187364 A 19900723 - CANON KK [JP]
- JP S60245560 A 19851205 - EPSON CORP
- JP H0361592 A 19910318 - TOPPAN PRINTING CO LTD

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**EP 0553535 A1 19930804; EP 0553535 B1 19981028; EP 0553535 B2 20040414**; DE 69227441 D1 19981203; DE 69227441 T2 19990318; DE 69227441 T3 20040909; DE 69232194 D1 20011213; DE 69232194 T2 20020718; DE 69232243 D1 20020110; DE 69232243 T2 20020725; DE 69232893 D1 20030213; DE 69232893 T2 20031106; DE 69233371 D1 20040722; DE 69233371 T2 20050616; DE 69233784 D1 20100610; EP 0782927 A1 19970709; EP 0782927 B1 20011107; EP 0786352 A1 19970730; EP 0786352 B1 20011128; EP 1013444 A1 20000628; EP 1013444 B1 20030108; EP 1241012 A2 20020918; EP 1241012 A3 20030102; EP 1241012 B1 20040616; EP 1396344 A2 20040310; EP 1396344 A3 20040728; EP 1905599 A2 20080402; EP 1905599 A3 20090408; EP 1905599 B1 20100428; HK 1002449 A1 19980828; HK 1010709 A1 19990625; HK 1021810 A1 20000707; HK 1025932 A1 20001201; HK 1046666 A1 20030124; HK 1046666 B 20050204; SG 46602 A1 19980220

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