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Shinkai

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(54) **LIQUID FILLING METHOD, LIQUID FILLING DEVICE, AND LIQUID CONTAINER**

USPC 141/244, 248, 286; 347/85, 86; 210/806, 418
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 242 days.

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(57) **ABSTRACT**

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B41J 2/175 (2006.01)
(52) **U.S. Cl.**
CPC **B41J 2/175** (2013.01); **B41J 2/17509** (2013.01); **B41J 2/17563** (2013.01); **B41J 2002/17516** (2013.01)

A liquid filling device includes a supply tube, a filter capable of removing a foreign matter, a first on-off valve provided between the supply tube and the filter, a first connector provided between the first on-off valve and the filter, a second on-off valve provided downstream of the filter, a second connector connected to the second on-off valve. A first ink pack and a second ink pack are respectively connected to the first connector and the second connector. After the liquid is filled in the first ink pack, the liquid thus filled is transferred from the first ink pack to the second ink pack connected to the second connector through the filter.

(58) **Field of Classification Search**
CPC B01D 29/885; B41J 2/17563; B41J 2002/17516

12 Claims, 7 Drawing Sheets

