

Title (en)  
INK SUPPLY SYSTEM FOR WRITING DEVICES WORKING WITH LIQUID INK

Publication  
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Application  
**EP 84105960 A 19840525**

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DE 3321301 A 19830613

Abstract (en)  
[origin: US4634305A] An ink supply system for writing instruments which operate with liquid ink. The writing instrument has a large-volume ink reservoir which communicates via a recharge valve with a small-volume ink reservoir which is adjacent to the writing element. The transmission of ink from the large-volume ink reservoir to the secondary reservoir is controlled by a sensor as a function of the quantity of ink which is present in the secondary ink reservoir. In order to simplify the recharging of the ink, and to be able to operate with the least possible electrical energy, the present invention utilizes as a recharge valve a tube pump which is rotatably driven by an electric motor and also generate the pressure necessary to convey the ink to the secondary ink reservoir.

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**B43K 5/10**

IPC 8 full level  
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