

Title (en)  
METHOD AND APPARATUS FOR FILLING CARTRIDGES WITH A LIQUID

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM FÜLLEN VON PATRONEN MIT FLÜSSIGKEIT

Title (fr)  
PROCEDE ET APPAREIL DE REMPLISSAGE DE CARTOUCHES PAR UN LIQUIDE

Publication  
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Application  
**EP 02787446 A 20021212**

Priority  
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Abstract (en)  
[origin: WO03051714A1] An apparatus for filling a cartridge with a liquid comprises, a platform on which the cartridge is supported and which can be lifted relative to a stationary filling needle (5) so that this filling needle is moved into the cartridge (6) , a pump (1) feeding liquid through the filling needle (5) into the cartridge (6), a sensor head (10) from which a beam of light is sent from one side of the cartridge to the other along a path immediately over an upper edge of the cartridge (6), and a reflector (11) reflecting the light beam back to the sensor head (10), which is connected to a sensor box (12) which produces a signal stopping the pump (1) and causing the needle (5) to be drawn out of the cartridge (6) when this cartridge is full and the liquid forms a droplet over the opening of the cartridge, which droplet deflects the light beam.

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