

**A METHOD AND DEVICE FOR REFILLING INK INTO AN INK
CARTRIDGE**

ABSTRACT

A method and device for refilling ink into an ink cartridge comprising the following steps: (1) sealing all the ink outlet holes and air vent holes by sealing objects; (2) forming at least one drilling hole in a proper position of the ink filling chamber; (3) refilling ink into the ink cartridge by an injector from the drilling hole; (4) sealing the drilling hole by a proper sealing object; (5) positioning the ink cartridge in a normal position and retaining the sealing object, after the ink having not overflowed, the overflow ink around the ink outlet is absorbed. Through experiment, the efficiency of refilling ink into an ink cartridge may attain 95%, and the original mechanism will not be destroyed. In addition, an auxiliary device for refilling ink into an ink cartridge is provided, which comprises: a drilling means having a tip pin for penetrating the ink cartridge, a drilling base with a fixing piece for fixing the ink cartridge so that the ink cartridge may be adhered on the base, at least one perforating screw hole is installed on a proper position of the base with respect to the ink cartridge, an injector for injecting ink into the ink cartridge, and a plurality of sealing pieces and blocking pieces. Thereby, the drilling means may drill holes on the proper positions of the ink cartridge. Then ink may be refilled into the ink cartridge.

20 Fig.1

This Sheet Has Been Replaced

