

**Method and Device for treating Holes or Recesses extending into
Workpieces with Liquid Treatment Media.**

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Abstract

10 The treatment, for example the cleaning of holes or recesses in
workpieces, is problematic when the holes or recesses have an opening
width of below 0.5mm, and especially when the latter do not penetrate the
workpiece (blind bores). In known methods, gas bubbles adhering to the
side-walls of holes of this type cannot be removed or liquids situated within
the holes cannot be effectively exchanged.

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With the method according to the invention an effective exchange of the
liquid contained in the holes and situated outwith the holes is made
possible. For this purpose the liquid treatment means is sprayed as a jet
into the holes, said jet having a diameter which is smaller than that of the
20 holes.

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Furthermore, a device is described for carrying out this method which is
characterised by a nozzle with one or several nozzle discharge openings
with a diameter below 0.5mm, by a liquid supply unit by means of which
liquid treatment medium is pumped through the nozzle discharge openings
and by a filter unit, communicating with the openings and the feeder unit,
for removing particles from the treatment medium.

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