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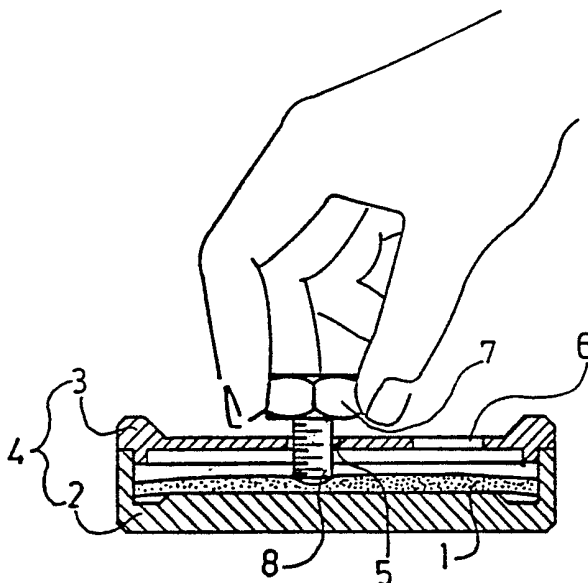
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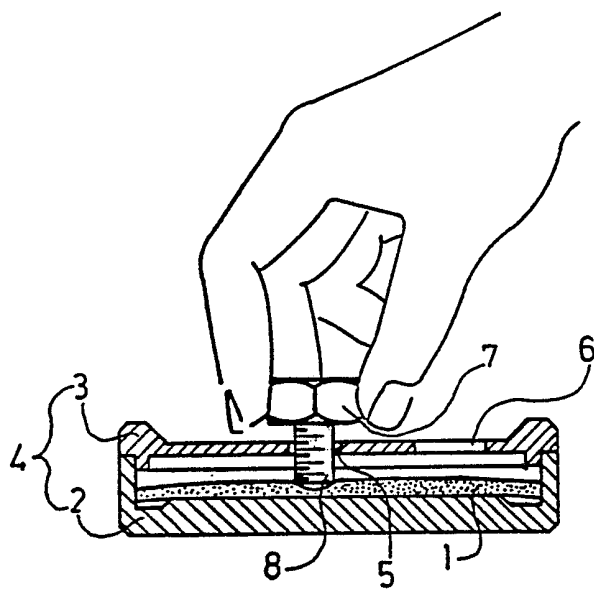
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(54) **Application of locking adhesive to screw threads**

(57) For the reliable application of screw locking adhesive on threads of a screw, a procedure and a device are proposed, whereby the free end of the screw shaft of a screw is pressed into an absorbent cushion, soaked with the screw locking adhesive, and accessible through a cover opening of a vessel which encloses the cushion.



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DESCRIPTION

APPLICATION OF LOCKING ADHESIVE TO SCREW THREADS

For the purpose of manual application of screw locking adhesive on the threads of a screw, devices with manual spray guns have already become known, which make it possible to dispense specific quantities of screw locking adhesive in a reproducible manner. However, the investment costs for this are not inconsiderable. But on the other hand, even a reproducible dispensing quantity does not provide any guarantee that reproducible application quantities are also achieved. While manipulating a manual spray gun in one hand and a screw in the other, it is quite possible that a certain quantity will drip past the screw. As a result, not only the workplace but also the hand holding the screw may become soiled by screw locking

adhesive. Each of these represents a hazard which must not be underestimated.

It is now the task of the invention to provide a procedure and a device in order to make possible a reliable application of screw locking adhesive on the threads of a screw, with adequately satisfactory accuracy of dispensing.

This task is accomplished by means of a procedure according to Claim 1 and a device according to Claim 2.

As well as the reliability which can be attained, and the accuracy of dispensing achieved, additional advantages are also connected with this. For one, the investment costs for the device to implement the procedure according to the invention are relatively low, and for another, the procedure brings about a saving of time, which can be attributed not least to the fact that the device provided for this purpose makes it possible to work with one hand.

A hazard-free application is achieved by means of the fact that the fingertips of a hand holding the screw do not come into contact with the screw locking adhesive while the screw shaft is being moistened.

An adequately satisfactory dispensing accuracy can be achieved by means of the depth of immersion of the screw shaft in the vessel.

In the drawing, a constructional version of a device according to the invention is reproduced.

A cushion 1, made of an absorbent material such as lambskin, soaked with screw locking adhesive, is enclosed in a vessel 4 consisting of a basin 2 with an open upper side, and a cover 3 sealing the open upper side. The cover features a first cover opening 5 for a first range of screw shaft diameters, and a second cover opening 6 for a second range of diameters.

In the case illustrated, the cover 3 fits into the vessel so as to be removable at the upper side

thereof. However, the method of connecting the cover 3 with the basin 2 is left free within the scope of the invention. Even a permanently sealed junction is feasible. In this case, the soaking of the cushion 1 would merely have to take place through a cover opening.

The soaking of the cushion 1 can, for example, take place by use of usual commercial spray bottles. As soon as the soaking has been completed and the vessel 4 has been sealed by means of the cover 3, the device is ready for use. For this purpose, a screw 7 to be provided with screw locking adhesive is merely gripped by the user at its head end, its screw shaft 8 is introduced into a suitable cover opening 5, and the free end of the screw shaft 8 is pressed into the cushion 1.

LIST OF REFERENCE SYMBOLS

- 1 Cushion
- 2 Basin
- 3 Cover
- 4 Vessel
- 5 First cover opening
- 6 Second cover opening
- 7 Screw
- 8 Screw shaft

It will be understood that the invention has been described above purely by way of example, and that various modifications of detail can be made within the ambit of the invention.

CLAIMS

1. A method of applying a screw locking adhesive to the thread(s) of a screw, comprising the following steps:

soaking with the screw locking adhesive an absorbent material which is indifferent to the screw locking adhesive;

introducing a screw-threaded shaft of the screw through an opening in a vessel containing the soaked absorbent material; and

pressing the distal end of the screw shaft into the soaked absorbent material.

2. A device suitable for use in a method according to claim 1, comprising:

a cushion comprising an absorbent material which is indifferent to the relevant screw locking adhesive, which has been soaked with this screw locking adhesive; and

a vessel accommodating the cushion and having on its upper side a cover having at least one opening designed to be penetrated by a screw-threaded shaft of a screw.

3. A device according to claim 2, wherein the cover has a plurality of openings so designed that, for each of a plurality of ranges of diameters of screw-threaded shafts, at least one cover opening is suitable.

4. A device according to claim 2 or 3, wherein the said vessel has the external shape of a flat box.

5. A device according to claim 2, substantially as described with reference to the accompanying drawing.