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**Wagner et al.**

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(54) **METHOD AND ARRANGEMENT FOR THE WEIGHTED MONITORING OF THE WEAR OF A PAIR OF HAND PLIERS USED FOR CRIMPING WORKPIECES**

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See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to a method for monitoring the wear of a pair of hand pliers with which crimping elements can be pressed onto a workpiece and a particular degree of crimping  $m_p$ , to be obtained by actuating the pliers, set using a presetting device. An arrangement is described for carrying out this method, as is a pair of hand pliers implementing the method. The method includes: counting each actuation of the hand pliers and linking to the degree of crimping  $m_p$  that has been set; reading out a wear prognosis value  $V_p$  from a memory, set using a presetting device, for the degree of crimping that has been set; determining a total wear value  $V$  by adding up the wear prognosis value  $V_p$  for each actuation; verifying whether the total wear value reaches or exceeds a defined threshold value  $V_G$ , and issuing a calibration request if necessary.

**11 Claims, 3 Drawing Sheets**

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