

Title (en)
PERMANENT SCREW ATTACHMENT

Title (de)
PERMANENTE SCHRAUBENFIXIERUNG

Title (fr)
FIXATION PERMANENTE VIS

Publication
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Application
EP 12730424 A 20120611

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Abstract (en)
[origin: WO2013000685A1] The invention relates to a method and system for permanently attaching a take-up screw (3) for taking-up the axial clearance of the armature shaft of a windscreen wiper motor. The take-up screw (3) is screwed axially into a bore (1) in the motor base (SM) until it reaches a stop position in relation to the armature shaft (6) locked on the screw. At least one surface discontinuity (2) is provided in the bore (1) and/or the thread of the screw (3), allowing the screw (3) to be screwed into the bore until it reaches the stop position. The screw (3) is screwed into the bore until the stop position is reached and a screw- and/or motor base-deformation strain (D) is applied at the discontinuity (2) in order to deform the side surface of the screw (3) and/or motor base (SM) and permanently attach the screw (3) and/or motor base by means of wedging in the discontinuity. The invention is suitable for the windscreen wiper motors of motor vehicles.

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Citation (search report)
See references of WO 2013000685A1

Citation (examination)
• DE 2809390 A1 19790906 - RAU SWF AUTOZUBEHOER
• US 4971497 A 19901120 - STOFFER LEWIS J [US], et al
• US 2011148231 A1 20110623 - WHITENER RANDY E [US], et al

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