

Title (en)

Method and device for position assurance of screw-/nut-connections

Title (de)

Verfahren und Vorrichtung zur Lagesicherung einer Schrauben-/Mutter-Verbindung

Title (fr)

Procédé et dispositif pour assurer la position de connections vis/écrou

Publication

EP 1088626 A3 20030326 (DE)

Application

EP 00118409 A 20000824

Priority

DE 19946401 A 19990928

Abstract (en)

[origin: EP1088626A2] The method involves using an operation tool with at least one opening perpendicular to the screw axis to positively fit a securing unit. The nut or screw is moved about and along the screw axis by the tool. The opening in the screw and nut connection is detected by a sensor. The screw and nut connection is secured in an aligned self-locking position. The securing unit is positively fitted into the opening, to lock the screw and nut connection. An Independent claim is included for a device for implementing the method.

IPC 1-7

B25B 27/20; **B25B 27/08**

IPC 8 full level

B25B 27/08 (2006.01); **B25B 27/20** (2006.01)

CPC (source: EP)

B25B 27/08 (2013.01); **B25B 27/20** (2013.01)

Citation (search report)

- [DA] DE 3151265 A1 19830714 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] US 2350998 A 19440613 - BEACH FREDERICK H
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)

Cited by

CN111412871A; CN108858057A; US2018169806A1; US9186760B2; WO2004101216A1

Designated contracting state (EPC)

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EP 1088626 A2 20010404; **EP 1088626 A3 20030326**; DE 19946401 A1 20010503; DE 19946401 C2 20011220

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