

Title (en)
SELF LOCKING NUTS

Title (de)
SELBSTSICHERNDE MUTTERN

Title (fr)
ECROUS AUTOBLOQUANTS

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Application
EP 10784852 A 20101005

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Abstract (en)
[origin: WO2011042857A1] The present invention concerns self-locking nuts (1) comprising an upper threaded collar (3) provided with longitudinal slots (7), being V or U shaped, also with sharp edge, defining in the collar itself a plurality of circular arc segments (9) compressed by one or more turns of an external helical spring (5) made of a metal wire (5a), wherein the collar slots (7) have such a width as not to allow the mutual contact of the circular arc segments (9) compressed by the spring (5). The wire (5a) of the spring (5) is made of precipitation hardening stainless steel, and the nuts have values of unscrewing braking torque that differ from one another and are obtained, for nuts (1) having the same diameter, by modifying at least one dimensional parameter (Fd, Fj, 6) of the spring. The invention also concerns a method of manufacturing nuts according to the invention.

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