

Title (en)
Adjustment of spring tension

Title (de)
Einstellung einer Federspannung

Title (fr)
Réglage de tension de ressort

Publication
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Application
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Abstract (en)
A body and method for adjusting tension in springs are disclosed. The body is formed for attachment to a primary attachment portion of a collar system and comprises complementary engagement means on its inside and holes propagating from the outside towards the inside of the body, the holes being arranged for receiving an alternative tension adjusting tool, such as an iron bar. The method, for adjusting tension in springs mounted upon rotatable shafts, comprises attaching the body in splined engagement to a collar rotatably mounted upon said shaft, providing a tension adjusting tool, such as an iron bar, in said holes of said body, and winding said collar by winding said body using said tension adjusting tool.

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Citation (search report)

- [A] US 6263541 B1 20010724 - SCATES JOHN E [US]
- [A] US 6735905 B1 20040518 - MILLER WILLIS D [US]
- [A] US 2002170688 A1 20021121 - DAUS MARK [US], et al
- [A] US 3661041 A 19720509 - WELZ RUDOLF
- [A] US 2522428 A 19500912 - BRUNSTAD JULIUS M
- [A] WO 2005065890 A1 20050721 - KEMPPAINEN GUNNAR [SE]

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EP 1764472 A1 20070321; EP 1764472 B1 20100310; AT E460559 T1 20100315; AT E460560 T1 20100315; AT E485132 T1 20101115;
CN 101268245 A 20080917; CN 101268245 B 20110316; CN 102121348 A 20110713; CN 102121348 B 20120808;
DE 602005019882 D1 20100422; DE 602005019928 D1 20100422; DE 602005024327 D1 20101202; DK 2172306 T3 20110103;
EP 2063062 A1 20090527; EP 2063062 B1 20100310; EP 2172306 A1 20100407; EP 2172306 B1 20101020; ES 2341969 T3 20100630;
RU 2008114507 A 20091020; RU 2010131818 A 20120210; RU 2407874 C2 20101227; RU 2532028 C2 20141027;
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DK 09175252 T 20050915; EP 08157647 A 20050915; EP 09175252 A 20050915; ES 05108497 T 20050915; RU 2008114507 A 20060908;
RU 2010131818 A 20100728; SE 2006001029 W 20060908