

Title (en)

TOOLS AND RATCHET LOCKING MECHANISMS FOR THREADED FASTENERS

Title (de)

WERKZEUGE UND RIEGELARRETIERMECHANISMEN FÜR BEFESTIGUNGSELEMENTE MIT GEWINDE

Title (fr)

OUTILS ET MÉCANISMES DE BLOCAGE À ROCHET POUR ÉLÉMENTS DE FIXATION FILETÉS

Publication

**EP 3033534 A4 20170614 (EN)**

Application

**EP 14836937 A 20140814**

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- US 201361866332 P 20130815
- US 201361891002 P 20131015
- US 2014051006 W 20140814

Abstract (en)

[origin: WO2015023815A1] A fastening device having a fastener with a head portion and an elongated threaded body portion extending axially from the head portion. The fastening device also includes a lock washer and a threaded lock nut for rotatably mating with the fastener. The lock washer has a lower surface with a plurality of ratchet teeth extending therefrom. The lock washer is configured to couple to the fastener for axial movement but is fixed rotationally. The threaded lock nut has an upper surface defining at least one pawl arm. The pawl arm includes at least one pawl tooth for engagement with at least one of the plurality of ratchet teeth, and a flange extending radially outward from the pawl arm.

IPC 8 full level

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Citation (search report)

- [XY] US 328244 A 18851013
- [YA] US 2012063864 A1 20120315 - HESS HAROLD [US]
- [Y] US 5385583 A 19950131 - COTREL YVES P C [FR]
- [A] US 5888221 A 19990330 - GELBARD STEVEN D [US]
- See references of WO 2015023815A1

Designated contracting state (EPC)

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