

Title (en)
ONE-PIECE SELF-LOCKING NUT

Title (de)
EINTEILIGE SELBSTSICHERNDE MUTTER

Title (fr)
ÉCROU AUTOBLOQUANT MONOBLOC

Publication
EP 3365126 A1 20180829 (EN)

Application
EP 16857932 A 20160727

Priority
• US 201514918035 A 20151020
• US 2016044292 W 20160727

Abstract (en)
[origin: WO2017069826A1] A self-locking nut includes a main-nut body and a deformable-nut body. The main-nut body has a recess leading into an interior threaded bore forming x turns of an internal thread therein. The deformable-nut body has an outer flange and an interior threaded bore forming y turns of an internal thread therein. The outer flange of the deformable-nut body is fixed to the main-nut body such that a relief space is formed between the deformable-nut body and the recess. A ratio of x:y is about 2:1.

IPC 8 full level
B21K 1/70 (2006.01); **F16B 39/12** (2006.01); **F16B 39/34** (2006.01); **F16B 39/38** (2006.01)

CPC (source: EP)
F16B 39/122 (2013.01); **F16B 39/34** (2013.01); **F16B 39/38** (2013.01)

Cited by
CN109519461A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017069826 A1 20170427; CA 2967052 A1 20170427; CA 2967052 C 20230905; CN 107073557 A 20170818; CN 107073557 B 20210108; EP 3365126 A1 20180829; EP 3365126 A4 20190522

DOCDB simple family (application)
US 2016044292 W 20160727; CA 2967052 A 20160727; CN 201680000768 A 20160727; EP 16857932 A 20160727