

Title (en)

QUICK DISCONNECT APPARATUS FOR MODULAR TOOLING

Title (de)

SCHNELL LÖSBARE VORRICHTUNG FÜR MODULARES WERKZEUG

Title (fr)

APPAREIL À DÉSCOUPLEMENT RAPIDE POUR OUTILLAGE MODULAIRE

Publication

EP 3619006 A1 20200311 (EN)

Application

EP 18727491 A 20180501

Priority

- US 201715583527 A 20170501
- US 2018030461 W 20180501

Abstract (en)

[origin: WO2018204369A1] A modular tooling receiver (110) includes a housing (130) having a wall (138) and a port (144), and an engaging member (160) movably disposed in the port. A lock actuator (150) is moveable between a first position and a second position. The release lever (116) is connected to the housing and is engageable with the lock actuator for causing movement of the lock actuator from the first position toward the second position. An anti-release mechanism (417) is connected to the release lever and is movable between an engaged position, in which the anti-release mechanism engages the housing to restrain movement of the release lever to prevent movement of the lock actuator from the first position to the second position, and a disengaged position, in which the anti-release mechanism disengages the housing to allow movement of the release lever.

IPC 8 full level

B25J 15/04 (2006.01); **B23B 31/107** (2006.01)

CPC (source: EP)

B25J 15/0416 (2013.01)

Citation (search report)

See references of WO 2018204369A1

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 2018204369 A1 20181108; EP 3619006 A1 20200311; JP 2020518479 A 20200625; JP 6902114 B2 20210714

DOCDB simple family (application)

US 2018030461 W 20180501; EP 18727491 A 20180501; JP 2019559775 A 20180501