

Title (en)

QUICK-RELEASE MECHANISM FOR TOOL ADAPTER PLATE AND ROBOTS INCORPORATING THE SAME

Title (de)

SCHNELLLÖSEMECHANISMUS FÜR WERKZEUGADAPTERPLATTE UND DENSELBEN EINSCHLIESSENDE ROBOTER

Title (fr)

MÉCANISME DE LIBÉRATION RAPIDE POUR PLAQUE D'ADAPTATEUR D'OUTIL ET ROBOTS INCORPORANT CELUI-CI

Publication

**EP 3606708 A1 20200212 (EN)**

Application

**EP 18781587 A 20180326**

Priority

- US 201762482958 P 20170407
- US 2018024276 W 20180326

Abstract (en)

[origin: WO2018187067A1] For use with a robot system comprising a robot body, a robot arm, a robot controller, and an end effector, an interchangeable end-effector assembly comprising: a tool plate; and a quick-release mechanism, wherein the tool plate includes: nonvolatile memory storing data; a communication interface; a processor; and a second connector matable with a first connector, the processor being configured to cause transmission of the data to the robot controller upon mating of the first and second connectors.

IPC 8 full level

**B25J 15/04** (2006.01)

CPC (source: CN EP KR)

**B25J 15/0408** (2013.01 - CN KR); **B25J 15/0416** (2013.01 - CN EP); **B25J 15/0483** (2013.01 - CN KR); **G05B 2219/39468** (2013.01 - EP)

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Designated extension state (EPC)

BA ME

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**US 2018024276 W 20180326**; CN 201880036848 A 20180326; CN 202310429609 A 20180326; EP 18781587 A 20180326; JP 2020504092 A 20180326; KR 20197033076 A 20180326