

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 A4 20210512 (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)

Citation (search report)

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- [A] JP 2014202310 A 20141027 - YOKOHAMA RUBBER CO LTD
- [A] US 2016236357 A1 20160818 - KALB JAMES R [US], et al
- [A] US 5002500 A 19910326 - ZUCCARO DANTE C [US], et al
- [IA] US 2016059424 A1 20160303 - ZACHARY KYLE [US], et al
- [A] JP H03117584 A 19910520 - APPLIED ROBOTEIKUSU INC, et al
- [IA] EP 3135443 A1 20170301 - RETHINK ROBOTICS INC [US]
- See references of WO 2018187067A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2018187067 A1 20181011**; CN 110709215 A 20200117; CN 110709215 B 20230801; CN 116237971 A 20230609; EP 3606708 A1 20200212; EP 3606708 A4 20210512; JP 2020516476 A 20200611; JP 6945715 B2 20211006; KR 102339489 B1 20211217; KR 20190128263 A 20191115

DOCDB simple family (application)

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