

Title (en)

FLUID LINE CONNECTOR AND ASSEMBLY WITH SECUREMENT DETECTION

Title (de)

FLUIDLEITUNGSVERBINDER UND ANORDNUNG MIT BEFESTIGUNGSERKENNUNG

Title (fr)

RACCORD ET ENSEMBLE DE CONDUITE DE FLUIDE AVEC DÉTECTION DE FIXATION

Publication

**EP 4323683 A1 20240221 (EN)**

Application

**EP 22788756 A 20220412**

Priority

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- US 2022024380 W 20220412

Abstract (en)

[origin: WO2022221253A1] A fluid line connector provides remote securement detection capabilities and is hence equipped for initial assembly, subsequent quality inspection, and subsequent service techniques that can be automated, robotic, and/or autonomous. The fluid line connector, in an embodiment, includes a body, a radio-frequency identification (RFID) tag, and an actuator member. The body has a passage for fluid-flow therethrough. The RFID tag can communicate with an RFID interrogator and has a circuit with a break in the circuit. A portion or more, such as a surface, of the actuator member is composed of an electrically-conductive material. The electrically-conductive portion bridges the break when the actuator member is actuated.

IPC 8 full level

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CPC (source: EP KR)

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