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**(54) Title (EN):** ARTICULATION SYSTEMS FOR SURGICAL INSTRUMENTS

**(54) Title (FR):** SYSTÈMES D'ARTICULATION POUR INSTRUMENTS CHIRURGICAUX

**(57) Abstract:**

**(EN):** A surgical tool assembly is disclosed. The surgical tool assembly can include an end effector comprising an elongate channel configured to receive a fastener cartridge, and the elongate channel can comprise a brace. The surgical tool assembly can also include a shaft comprising an articulation drive assembly, wherein the articulation drive assembly comprises an articulation link pivotably coupled to the elongate channel. The articulation link comprises a pocket configured to receive the brace when the end effector is in a fully articulated configuration. The brace and the pocket can define complementary planar surfaces for resisting rotation of the brace within the pocket to resist de-articulation of the end effector when it is in its fully articulated configuration.

**(FR):** La présente invention concerne un ensemble outil chirurgical. L'ensemble outil chirurgical peut comprendre un effecteur terminal comprenant un canal allongé conçu pour recevoir une cartouche d'élément de fixation, et le canal allongé peut comprendre une attelle. L'ensemble outil chirurgical peut également comprendre un arbre comprenant un ensemble d'entraînement d'articulation, l'ensemble d'entraînement d'articulation comprenant une liaison d'articulation couplée pivotante au canal allongé. La liaison d'articulation comprend une poche conçue pour recevoir l'attelle lorsque l'effecteur terminal est dans la configuration entièrement articulée. L'attelle et la poche peuvent définir des surfaces planes complémentaires pour résister à la rotation de l'attelle à l'intérieur de la poche afin de résister à la désarticulation de l'effecteur terminal lorsqu'il est dans sa configuration entièrement articulée.

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**Declarations:**

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))