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Hofmann et al.(10) **Pub. No.: US 2023/0231341 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **CONNECTOR**(71) Applicant: **MD Elektronik GmbH**, Waldkraiburg
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(57)

ABSTRACT

A connector includes a housing insertable into a receptacle of a mating connector so as to form a connection and a connector position assurance (CPA) element which is movable relative to the housing between a pre-latching and a final latching position. The CPA element prevents the connection from becoming released in the final latching position. The connector further includes a retainer with a receptacle in a connection direction and an opening transverse thereto. The CPA element is insertable into the receptacle of the retainer. A protrusion is formed on the CPA element, wherein movement of the CPA element from the pre-latching to the final latching position is blocked in a case that the protrusion is engaged with the opening, and the movement of the CPA element is permitted in a case that the protrusion is not engaged with the opening.

