

Title (en)
CONNECTION ELEMENT WITH A CAPACITIVE FORCE MEASURING ELEMENT

Title (de)
VERBINDUNGSELEMENT MIT EINEM KAPAZITIVEN KRAFTMESSELEMENT

Title (fr)
ELEMENT DE CONNEXION COMPORTANT UN ELEMENT CAPTEUR DE FORCE

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Application
EP 06760768 A 20060524

Priority
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Abstract (en)
[origin: WO2007003470A1] The invention relates to a force measuring element with a series connection consisting of at least two capacitors. The force measuring element is designed in such a manner that under the exertion of force, a first capacitance of a first capacitor of the least two capacitors increases and a second capacitance of a second capacitor of the at least two capacitors decreases. The invention is characterized in that the force measuring element is provided in the form of a connection element in which an introduction of force is provided upon a longitudinal side (1) of a sleeve (5) of the force measuring element, and that the at least two capacitors are separated by a bar (6), which remains essentially stationary during the exertion of force so that a first space with the first capacitor above the bar (6) decreases in size as a result of the introduction of force, and a second space under the bar (6) enlarges.

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