

Title (en)

FORCE AND TORQUE SENSOR, FORCE TRANSDUCER MODULE FOR SUCH A FORCE AND TORQUE SENSOR AND ROBOT HAVING SUCH A FORCE AND TORQUE SENSOR

Title (de)

KRAFT- UND MOMENTENSOR, KRAFTAUFNEHMERMODUL FÜR EINEN SOLCHEN KRAFT- UND MOMENTENSOR UND ROBOTER MIT EINEM SOLCHEN KRAFT- UND MOMENTENSOR

Title (fr)

CAPTEUR DE FORCE ET DE COUPLE, MODULE RÉCEPTEUR DE FORCE POUR UN TEL CAPTEUR DE FORCE ET DE COUPLE ET ROBOT COMPRENANT UN TEL CAPTEUR DE FORCE ET DE COUPLE

Publication

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Application

EP 17777916 A 20171005

Priority

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Abstract (en)

[origin: WO2018073012A1] The invention relates to a force and torque sensor (1) having four piezoelectric force transducers (4 to 4'') and a baseplate (2); wherein the four piezoelectric force transducers (4 to 4'') detect a force and generate measurement signals for a detected force F; the force and torque sensor (1) comprises a cover plate (3), said cover plate (3) comprises a boundary surface (31), on which boundary surface (31) the force to be detected acts; the force and torque sensor (1) comprises an evaluation unit (6), which evaluation unit (6) evaluates measuring signals from the piezoelectric force transducers (4 to 4''); the baseplate (2) comprises at least one cavity (21 to 21'', 22) for the piezoelectric force transducers (4 to 4'') and the evaluation unit (6), in which cavity (21 to 21'', 22) the piezoelectric force transducers (4 to 4'') and the evaluation unit (6) are arranged; and the baseplate (2) and the cover plate (3) are mechanically connected to form a housing.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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