

Title (en)
FORCE-MEASUREMENT BODY AND MEASUREMENT AND CALCULATION METHOD

Title (de)
KRAFTMESS-KÖRPER SOWIE MESS- UND BERECHNUNGSVERFAHREN

Title (fr)
CORPS DE MESURE DE FORCE ET PROCÉDÉ DE MESURE ET DE CALCUL

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Application
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Abstract (en)
[origin: EP2362201A1] The sleeve (1) has an inner casing and an outer casing (3) that are arranged concentrically to a longitudinal axis (4) of the sleeve. Recesses (5) are formed in the outer casing, and comprise symmetric axes running perpendicular to the longitudinal axis. A support is formed at the inner casing, and a force transmission surface is formed with ring-segments, where symmetry (9) of the support is arranged at the symmetric axis of one of the recesses. A strain gauge (6) is fastened to a base and/or a wall of the recesses, and forms a measuring point (7) together with the recesses. Independent claims are also included for the following: (1) a cylindrical force measuring-body comprising grooves formed adjacent to each other (2) a measuring and calculating method for determining radially-acting force by using a force measurement sleeve.

IPC 8 full level
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