

Title (en)

POSITION MEASURING DEVICE FOR DETECTING DISPLACEMENTS WITH AT LEAST THREE DEGREES OF FREEDOM

Title (de)

LAGEMESSVORRICHTUNG ZUR ERMITTLUNG VON AUSLENKUNGEN MIT MINDESTENS DREI FREIHEITSGRADEN

Title (fr)

DISPOSITIF DE MESURE DE POSITION POUR LA DETERMINATION DE DEPLACEMENTS AVEC AU MOINS TROIS DEGRES DE LIBERTE

Publication

EP 0941507 A1 19990915 (DE)

Application

EP 97912410 A 19971202

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Abstract (en)

[origin: WO9825193A1] The invention comprises a fixed platform (1) and a displaceable platform (2) that are coupled by six tension springs (3) and an elastic spacing element (6), which forms with each platform, for instance, a ball-and-socket joint, so that the platforms can be displaced in a total of five to six degrees of freedom with respect to each other. Displacement is detected by measuring at the tension springs (3) or at the spacing element (6). This is preferably done by measuring the inductivity of the tension springs (3), thereby making it possible to easily determine the relative position of the platforms.

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IPC 8 full level

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Citation (search report)

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