Title (en)

METHOD FOR IMPROVING THE PIVOTING OF A MOBILE DEVICE

Title (de)

VERFAHREN ZUR VERBESSERUNG DER SCHWENKBARKEIT EINES MOBILEN GERÄTS

Title (fr)

PROCÉDÉ D'AMÉLIORATION DU PIVOTEMENT D'UN MOBILE

Publication

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Application

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Abstract (en)

[origin: WO2013092172A1] The invention relates to a method for improving the pivotal movement of a mobile body (1) for a scientific instrument, comprising a shaft (10) capable of pivoting or oscillating about an axis (D) of the mobile body, wherein said method comprises: statically balancing said mobile body so as to bring the center of gravity thereof onto said axis (D); determining a target value for the resulting imbalance moment of said mobile body about said axis (D), which corresponds to a predetermined target divergence between a first main longitudinal axis of inertia of said mobile body and said axis (D); rotating said mobile body about said axis (D) of the mobile body at a predetermined speed, and measuring the resulting imbalance moment relative to said axis (D); and adjusting the value of the imbalance moment of said mobile body about said axis (D) to within a given predetermined tolerance relative to said target value.

IPC 8 full level

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CPC (source: EP US)

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