Title (en)

CONTACTLESS METHOD OF MEASURING TRANSLATORY MOVEMENT AND AN ARRANGEMENT OPERATING ACCORDING TO THIS METHOD

Title (de)

VERFAHREN FÜR EINE BERÜHRUNGSLOSE TRANSLATORISCHE BEWEGUNGSMESSEINRICHTUNG SOWIE EINE NACH DEM VERFAHREN ARBEITENDE EINRICHTUNG

Title (fr)

PROCEDE DE MESURE SANS CONTACT DE MOUVEMENTS DE TRANSLATION ET DISPOSITIF FONCTIONNANT SELON CE PROCEDE

Publication

EP 0699298 A1 19960306 (DE)

Application

EP 95910494 A 19950216

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Abstract (en)

[origin: DE4405043A1] The invention relates to a contactless method of measuring translatory movement and a translatory movement measuring arrangement operating according to this method. In the contactless method of measuring translatory movement the translatory movement is converted into a rotational movement at least substantially by producing at least one field, and this rotational movement is used to generate an output signal which can be further processed. Accordingly, in the contactless, translatory movement measuring arrangement according to the invention there is a relative movement between a field-generating component and a detection arrangement. The detection component of the detection arrangement comprises a rotatably mounted second component of which the alignment is varied on an axis of rotation owing to a movement of the field of the first component. The detection arrangement further comprises a sensor which detects the rotation of the second component and converts the rotational movement of the second component into an output signal which can be further processed.

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