

Title (en)

METHOD FOR DETERMINING THE POWER LINE FREQUENCY OF A PIEZOELECTRIC ACTUATOR

Title (de)

VERFAHREN ZUM BESTIMMEN DER STROMLEITUNGSFREQUENZ EINES PIEZOELEKTRISCHEN AKTORS

Title (fr)

PROCEDE DE DETERMINATION DE LA FREQUENCE D'ALIMENTATION D'UN ACTIONNEUR PIEZO-ELECTRIQUE

Publication

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Application

**EP 06727397 A 20060331**

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Abstract (en)

[origin: WO2006106397A1] The invention concerns a method for determining the normal power line frequency of a piezoelectric actuator comprising generators characterized in that it comprises a phase of determining the frequencies of the generators for which the coupling coefficient of the channels when the power line frequency causes the actuator to resonate and a step of selecting among those frequencies, the normal power line frequency of the actuator by both generators. The invention also concerns a piezoelectric actuator whereof the common frequency of the generators is such that the coupling coefficient of the channels when the actuator is powered at said frequency is less than 40 % of the coupling coefficient of the channels when the power line frequency causes the actuator to resonate.

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