

Title (en)

MECHANICAL AMPLIFIER, SYSTEM OF SAID AMPLIFIERS AND METHOD FOR MECHANICALLY AMPLIFICATION OF A MOTION

Title (de)

MECHANISCHER VERSTÄRKER, SYSTEM DES BESAGTEN VERSTÄRKERS UND VERFAHREN ZUR MECHANISCHEN VERSTÄRKUNG EINER BEWEGUNG

Title (fr)

AMPLIFICATEUR MÉCANIQUE, SYSTÈME CONSTITUÉ DE TELS AMPLIFICATEURS ET PROCÉDÉ D'AMPLIFICATION MÉCANIQUE D'UN MOUVEMENT

Publication

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Abstract (en)

[origin: WO2011144591A1] Disclosed is a mechanical amplifier for converting a small motion amplitude to larger. The method comprising using two or more beams (10, 11) which are connected in series at angles to each other. Undesirable movements arising in the structure are absorbed by the structure through torsion. Each beam is a mechanical motion amplifier, and by connecting these in series, the total amplification is the product of the amplification of the comprised beams. A device comprising two or more beams connected together, preferably at an angle of 90 degrees is also disclosed.

IPC 8 full level

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