

Title (en)

PIEZOELECTRIC ACTUATORS WITH INCREASED DEFORMATION

Title (de)

PIEZOELEKTRISCHE AKTOREN MIT ERHÖHTER VERFORMUNG

Title (fr)

ACTIONNEURS PIÉZOÉLECTRIQUES À DÉFORMATION AMPLIFIÉE

Publication

**EP 3917688 A1 20211208 (FR)**

Application

**EP 19848864 A 20191231**

Priority

- FR 1874409 A 20181231
- FR 2019000223 W 20191231

Abstract (en)

[origin: WO2020141264A1] The invention relates to an electromechanical actuator with increased deformation, having at least one driving element (21) connected to an alternating voltage source so as to bring about a deformation of said driving element (21), and also a plate (22) configured to increase the amplitude of the vibration that the driving element (21) is intended to transmit to a support (40) to be actuated, characterized in that a first face of the plate (22) is fixed rigidly to the driving element (21), and in that a second face of the plate (22), on the opposite side from the first face, is fixed by an actuating stud (23) to the support (40) to be actuated.

IPC 8 full level

**B06B 1/06** (2006.01); **G06F 3/01** (2006.01); **H02N 2/02** (2006.01)

CPC (source: EP KR US)

**B06B 1/0603** (2013.01 - EP KR); **G06F 3/016** (2013.01 - EP KR US); **G06F 3/041** (2013.01 - EP KR); **H10N 30/204** (2023.02 - EP KR); **H10N 30/2041** (2023.02 - US); **H10N 30/802** (2023.02 - US)

Citation (search report)

See references of WO 2020141264A1

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Designated extension state (EPC)

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**FR 3091414 A1 20200703**; **FR 3091414 B1 20230512**; CN 113453808 A 20210928; CN 113453808 B 20230110; EP 3917688 A1 20211208; JP 2022516897 A 20220303; KR 20210104150 A 20210824; US 2022066557 A1 20220303; WO 2020141264 A1 20200709

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