

Title (en)
ELECTROMAGNETIC LINEAR ACTUATOR

Title (de)
ELEKTROMAGNETISCHER LINEARAKTUATOR

Title (fr)
ACTIONNEUR LINÉAIRE ÉLECTROMAGNÉTIQUE

Publication
EP 3841660 A1 20210630 (DE)

Application
EP 19758684 A 20190821

Priority
• DE 102018214102 A 20180821
• EP 2019072351 W 20190821

Abstract (en)
[origin: WO2020038988A1] An electromagnetic linear actuator (1) comprising a first and a second element is proposed. One element is a magnetic oscillator (10) comprising at least one magnet (12) and the other element is a magnetic stator (40) comprising at least one magnet (42). The two elements are movable in linear fashion relative to one another and the magnetization directions of the oscillator (10) and of the stator (40) are in parallel. Either the stator (40) has two opposing identical stator poles (44, 46) or the oscillator (10) has two opposing identical oscillator poles (14, 16). Further, a method is proposed for generating a mechanical movement by means of an actuator (1). Either there is such a magnetization of a stator (40) of the actuator (1) that the stator (40) has two opposing identical stator poles (44, 46) or there is such a magnetization of an oscillator (10) of the actuator (1) that the oscillator (10) has two opposing identical oscillator poles (14, 16).

IPC 8 full level
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CPC (source: EP KR US)
H02K 1/34 (2013.01 - KR); **H02K 5/24** (2013.01 - KR); **H02K 33/12** (2013.01 - EP KR); **H02K 33/16** (2013.01 - US); **H02K 41/02** (2013.01 - EP); **H02K 41/031** (2013.01 - KR)

Citation (search report)
See references of WO 2020038988A1

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