

Title (en)  
MICROMECHANICAL STRUCTURE, MICROMECHANICAL SYSTEM AND METHOD FOR PROVIDING A MICROMECHANICAL STRUCTURE

Title (de)  
MIKROMECHANISCHE STRUKTUR, MIKROMECHANISCHES SYSTEM UND VERFAHREN ZUM BEREITSTELLEN EINER MIKROMECHANISCHEN STRUKTUR

Title (fr)  
STRUCTURE MICROMÉCANIQUE, SYSTÈME MICROMÉCANIQUE ET PROCÉDÉ POUR FOURNIR UNE STRUCTURE MICROMÉCANIQUE

Publication  
**EP 3931622 A2 20220105 (DE)**

Application  
**EP 20707087 A 20200225**

Priority  
• DE 102019202656 A 20190227  
• DE 102019202658 A 20190227  
• EP 2020054863 W 20200225

Abstract (en)  
[origin: WO2020173919A2] A micromechanical device comprises a substrate, a movable element, which is arranged in a reference plane in an undeflected state, a gearing structure having a first gearing side, which is coupled to the substrate, and having a second gearing side, which is coupled to the movable element, and an actuator configured to provide a force along a force direction parallel to the reference plane and to apply it to the first gearing side. The gearing structure is configured to convert the force along the force direction into a movement of the movable element out of the reference plane.

IPC 8 full level  
**G02B 26/08** (2006.01)

CPC (source: EP US)  
**B81B 3/0051** (2013.01 - EP US); **G02B 26/0808** (2013.01 - EP); **G02B 26/0833** (2013.01 - EP US); **G02B 26/0841** (2013.01 - US); **B81B 2201/033** (2013.01 - EP US); **B81B 2201/035** (2013.01 - US); **B81B 2201/037** (2013.01 - EP US); **B81B 2201/042** (2013.01 - EP US); **B81B 2203/0154** (2013.01 - EP US); **B81B 2203/04** (2013.01 - US); **B81B 2203/051** (2013.01 - US); **B81B 2203/053** (2013.01 - EP US); **B81B 2203/058** (2013.01 - EP US)

Citation (search report)  
See references of WO 2020173919A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020173919 A2 20200903; WO 2020173919 A3 20201022**; EP 3931622 A2 20220105; EP 3931623 A1 20220105; EP 3931623 B1 20230111; US 2021380401 A1 20211209; US 2021387851 A1 20211216; WO 2020173989 A1 20200903

DOCDB simple family (application)  
**EP 2020054863 W 20200225**; EP 2020055000 W 20200226; EP 20707087 A 20200225; EP 20713173 A 20200226; US 202117412104 A 20210825; US 202117459073 A 20210827