

Title (en)  
JOYSTICK

Title (de)  
STEUERKNÜPPEL

Title (fr)  
JOYSTICK

Publication  
**EP 3881160 B1 20221026 (FR)**

Application  
**EP 19831776 A 20191111**

Priority  
• FR 1860532 A 20181115  
• FR 2019052678 W 20191111

Abstract (en)  
[origin: WO2020099771A1] Joystick comprising: - an articulation (26) comprising bearing faces (32, 34) shaped in such a way as to allow, through collaboration of shapes as they rub against one another, a rotational movement of a grip (4), - a first set (120) of springs applying to the grip a first vertical force which pushes the bearing faces (32, 34) against one another; - a second set (122) of springs applying to the grip a second vertical force in the opposite direction to the first vertical force and of which the amplitude is comprised between  $0.9|F1|$  and  $1.1|F1|$ , where  $|F1|$  is the amplitude of the first vertical force, and - the first and second sets (120, 122) of springs are able, in the absence of any external influence applied to the grip (4), to maintain a non-zero clearance (J) between all the bearing faces of the articulation.

IPC 8 full level  
**G05G 5/05** (2006.01); **G05G 5/06** (2006.01); **G05G 9/047** (2006.01)

CPC (source: EP US)  
**G05G 5/05** (2013.01 - EP US); **G05G 9/047** (2013.01 - EP US); **G05G 5/06** (2013.01 - EP); **G05G 2009/04707** (2013.01 - EP US); **G05G 2009/04755** (2013.01 - EP US); **G05G 2505/00** (2013.01 - US)

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