

Title (en)  
COMPUTERIZED YO-YO

Title (de)  
COMPUTERISIERTES JO-JO

Title (fr)  
YO-YO INFORMATISÉ

Publication  
**EP 3107634 B1 20180919 (EN)**

Application  
**EP 15708631 A 20150213**

Priority  
• US 201461940853 P 20140218  
• US 2015015745 W 20150213

Abstract (en)  
[origin: WO2015126739A1] There described a computerized yo-yo toy that uses an acceleration measuring device, a computation and control device, a communication device and entertaining devices to enhance the entertaining experience of playing with the computerized yo-yo toy. The acceleration measuring device measures the acceleration values of the computerized yo-yo toy. The computation and control device uses the measured acceleration values to generate control signals to control the entertaining devices such as a light display device, an audio play device and an auxiliary device for an enhanced entertaining experience. The entertaining devices may be latched to a latching base, which allows using different and new entertaining devices with the computerized yo-yo toy. The computation and control device may also use the measured acceleration values to generate control signals to control the motion of the computerized yo-yo toy, using an electric clutch device and an electric motor device. The control signals are based on the measured acceleration values, the type of entertaining device latched to the latching base and setup parameters received by the communication device from an external device, such as smartphone or tablet. The communication device may also send data from the computerized yo-yo toy to the external device, which allows the external device to analyze, store or display the data for an enhanced entertaining experience.

IPC 8 full level  
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CPC (source: CN EP KR US)  
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**A63H 5/00** (2013.01 - KR); **A63H 33/22** (2013.01 - EP)

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JP 2017505703 A 20170223; JP 2019022709 A 20190214; JP 6471178 B2 20190213; JP 6686094 B2 20200422; KR 102349409 B1 20220107;  
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