

Title (en)  
ILLUMINATED TOY

Title (de)  
BELEUCHTETES SPIELZEUG

Title (fr)  
JOUET LUMINEUX

Publication  
**EP 4151296 A4 20240529 (EN)**

Application  
**EP 21803699 A 20210510**

Priority  
• ES 202030433 A 20200512  
• ES 2021070322 W 20210510

Abstract (en)  
[origin: EP4151296A1] The toy is of the type intended to be used jointly with others of the same type, all being controlled by means of a smartphone or similar, where the toys incorporate illumination means and determine an area of activation by infra-red sensor (14) for sequential pulses in accordance with patterns pre-set by the control software, presents the characteristic that it adopts a stackable configuration, aided by magnets (6-6'-7-7') and terminals (9-10) that enable the stabilisation of the toys and enable the charging of the entirety thereof with a single USB cable (17) to be connected to the charge port (4) of the lowest toy in the stack. In order to increase the possibilities of the game and to endow it with a physical component, the incorporation of a speaker (18) and attachment means such as magnets (19), clamps (20) or suction pads (21) has been foreseen, to extend the implementation possibilities of each toy.

IPC 8 full level  
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CPC (source: EP ES)  
**A63F 7/00** (2013.01 - ES); **A63F 9/0096** (2013.01 - EP ES); **A63F 9/24** (2013.01 - EP); **A63H 5/00** (2013.01 - EP); **A63H 33/042** (2013.01 - EP); **A63H 33/046** (2013.01 - EP); **A63H 33/22** (2013.01 - EP); **A63H 33/26** (2013.01 - EP ES); **A63F 9/34** (2013.01 - EP); **A63F 2009/2444** (2013.01 - EP); **A63F 2009/2452** (2013.01 - EP); **A63F 2009/247** (2013.01 - EP); **A63F 2009/2485** (2013.01 - EP); **A63F 2009/2492** (2013.01 - EP); **A63F 2250/604** (2013.01 - EP); **A63F 2250/605** (2013.01 - EP); **A63F 2250/606** (2013.01 - EP); **A63H 2200/00** (2013.01 - EP)

Citation (search report)  
• [YA] KR 102055502 B1 20191212  
• [Y] US 2016101370 A1 20160414 - MADSEN KENNETH [DK], et al  
• [A] US 2011148039 A1 20110623 - KLINNERT RALF [GB]  
• [A] CN 103463816 A 20131225 - UNITED WIN CHINA TECHNOLOGY LTD, et al  
• [A] US 2012052944 A1 20120301 - SADDLER DAMON R [US], et al  
• See also references of WO 2021229122A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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