Title (en)

TOY ROLLER COASTER ASSEMBLY

Title (de)

SPIELZEUGACHTERBAHNANORDNUNG

Title (fr)

ENSEMBLE JOUET DE MONTAGNES RUSSES

Publication

EP 1968721 A2 20080917 (EN)

Application

EP 07716224 A 20070104

Priority

- US 2007000049 W 20070104
- US 75626506 P 20060104
- US 64857707 A 20070103

Abstract (en)

[origin: WO2007081693A2] An embodiment of the present invention provides a toy roller coaster assembly having magnetically attachable track sections and an integrated audiovisual system. The assembly can include a magnetic lift, a magnetic bridge, and a magnetic U-turn. A controller can control the frequency by which a magnetic lift delivers balls to an uppermost track section and can produce audio and/or visual effects in response to signals from sensors that detect passing balls. Joint members of the assembly can magnetically connect the track sections to each other and to a plurality of vertical supports, to provide a variety of configurations. The controller can generate voice and music samples, sound effects, graphic displays, animation sequences, and video clips in conjunction with the motion of the balls through the circuit of the roller coaster assembly.

IPC 8 full level

A63H 17/14 (2006.01)

CPC (source: EP)

A63F 7/3622 (2013.01); **A63H 18/04** (2013.01); **A63H 33/26** (2013.01); A63F 2007/282 (2013.01); A63F 2007/3662 (2013.01); A63F 2250/18 (2013.01)

Citation (search report)

See references of WO 2007081693A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007081693 A2 20070719; **WO 2007081693 A3 20081002**; AU 2007205207 A1 20070719; CA 2636015 A1 20070719; EP 1968721 A2 20080917; JP 2009522056 A 20090611; US 2007209543 A1 20070913

DOCDB simple family (application)

US 2007000049 W 20070104; AU 2007205207 A 20070104; CA 2636015 A 20070104; EP 07716224 A 20070104; JP 2008549537 A 20070104; US 64857707 A 20070103