

Title (en)

Steering control device for running toy and running toy

Title (de)

Lenksteuervorrichtung für ein laufendes Spielzeug und laufendes Spielzeug

Title (fr)

Dispositif de commande de direction pour jouet roulant et jouet roulant

Publication

EP 2044990 A1 20090408 (EN)

Application

EP 08165436 A 20080929

Priority

- JP 2007262550 A 20071005
- JP 2008122863 A 20080509

Abstract (en)

Disclosed is a steering control device for a running toy including: light emitting sections (11,12) mounted on the running toy to emit different types of infrared rays with different wavelengths in left and right directions diagonally ahead of the running toy, a light receiving section (13) mounted on the running toy to receive the infrared rays emitted from the light emitting sections (11,12) and reflected on an obstacle, and a control section (8) mounted on the running toy to control a steering device of the running toy when the light receiving sections receive an infrared ray with a wavelength matching with at least one of the wavelengths of the infrared rays emitted from the light emitting sections so that the running toy is steered in a direction to avoid collision with the obstacle according to the matching wavelength of the received infrared ray.

IPC 8 full level

A63H 17/40 (2006.01)

CPC (source: EP US)

A63H 17/40 (2013.01 - EP US)

Citation (applicant)

JP 2004305769 A 20041104 - TOMY CO LTD

Citation (search report)

- [A] US 2002102910 A1 20020801 - DONAHUE KEVIN GERARD [US], et al
- [A] GB 2361438 A 20011024 - TSOU HSIEN CHIH [TW]

Cited by

EP2345470A1; CN103068454A; EP3075427A1; US8506346B2; WO2012010890A1; WO2012010891A1; US8905815B2; US9233314B2; US9597606B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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