

Title (en)

Remote controller system for electric toy car racing track

Title (de)

Fernsteuerungsanordnung für elektrische bahngesicherte Spielzeugautos

Title (fr)

Système de commande à distance pour voitures-jouet électriques sur circuit

Publication

EP 0806230 A1 19971112 (EN)

Application

EP 96308291 A 19961115

Priority

GB 9608894 A 19960430

Abstract (en)

A remote controller system (10) for use with an electric toy car racing track (40) formed by a series of track sections (41 & 42) connected together to provide lanes (40A & 40B) having co-extending pairs of power supply rails (44) for supplying power to electric toy cars running along respective lanes (40A & 40B). The controller system (10) comprises a transmitter (20) for use by a respective player relative to each lane (40A/40B) and a receiver (30) for electrical connection to the power supply rails (44). The transmitter (20) includes a signal generator (26) for generating a control signal for transmission in a wireless manner. The receiver (30) includes a signal processor (38) for processing the control signal received from the transmitter (20) to determine the characteristic, such as level, duty cycle, frequency or polarity, of the voltage supplied to the respective pair of power supply rails (44) for controlling the movement of the associated toy car. <IMAGE>

IPC 1-7

A63H 30/04; **A63H 18/12**; **A63H 19/24**

IPC 8 full level

A63H 18/12 (2006.01); **A63H 19/24** (2006.01); **A63H 30/04** (2006.01)

CPC (source: EP)

A63H 18/12 (2013.01); **A63H 19/24** (2013.01); **A63H 30/04** (2013.01)

Citation (search report)

- [X] EP 0381594 A1 19900808 - JOUEF IND S A [FR]
- [A] US 4207502 A 19800610 - OMURA YOSHIHIKO [JP]
- [A] DE 4323795 A1 19940120 - FUTABA DENSHI KOGYO KK [JP]
- [AP] EP 0728505 A1 19960828 - KONAMI CO LTD [JP]
- [A] US 3926434 A 19751216 - CANNON JR THOMAS C

Cited by

CN100450571C; US7753756B2; US7833080B2; US6688985B2; EP2594325A1; EP2745897A3; WO2004037366A1; WO2006084965A1; WO2022051371A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

EP 0806230 A1 19971112; **EP 0806230 B1 20020612**; AT E218910 T1 20020615; DE 69621774 D1 20020718; DE 69621774 T2 20030206; GB 2312631 A 19971105; GB 2312631 B 19980311; GB 9608894 D0 19960703

DOCDB simple family (application)

EP 96308291 A 19961115; AT 96308291 T 19961115; DE 69621774 T 19961115; GB 9608894 A 19960430