

Title (en)
REMOTE CONTROL SYSTEM

Title (de)
FERNSTEUERSYSTEM

Title (fr)
SYSTEME DE TELECOMMANDE

Publication
EP 1385588 A1 20040204 (EN)

Application
EP 02717214 A 20020325

Priority
• NO 0200122 W 20020325
• NO 20011604 A 20010329

Abstract (en)
[origin: WO02078811A1] The invention relates to a remote control system wherein a plurality of remote control devices and remote control receivers may be operating simultaneously. A remote control device comprises input elements for providing electrical control signals, a transmitter, and a processing device arranged for receiving the control signals from the input elements, providing a coded signal to the transmitter, said signal being coded with a repeating frame format, wherein each frame comprises a number of data packets each contained in subsequent time slots, and wherein each data packet comprises a time slot identifier identifying the time slot in which the data packet is contained. A remote control receiver is arranged for decoding a signal having a corresponding repeating frame format. The invention provides simple and reliable operation, synchronizing, addressing and connection functions, high bandwidth utilization and high tolerance towards disturbances, interference and communication obstructions. The invention may advantageously be used for remotely controlling objects for playing or amusement, such as controllable toys and model vehicles.

IPC 1-7
A63H 30/04

IPC 8 full level
A63H 30/04 (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP US)
A63H 30/04 (2013.01 - EP US)

Citation (search report)
See references of WO 02078811A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02078811 A1 20021010; AT E284746 T1 20050115; AT E332732 T1 20060815; CN 1318112 C 20070530; CN 1612768 A 20050504; DE 60202280 D1 20050120; DE 60202280 T2 20051208; DE 60213081 D1 20060824; DE 60213081 T2 20070301; EP 1385588 A1 20040204; EP 1385588 B1 20041215; EP 1385589 A1 20040204; EP 1385589 B1 20060712; ES 2235022 T3 20050701; ES 2268004 T3 20070316; HK 1062899 A1 20041203; HK 1062900 A1 20041203; JP 2004524918 A 20040819; NO 20011604 D0 20010329; NO 20011604 L 20020930; NO 318739 B1 20050502; US 2004147202 A1 20040729; WO 02078812 A1 20021010

DOCDB simple family (application)
NO 0200122 W 20020325; AT 02717214 T 20020325; AT 02717215 T 20020325; CN 02810515 A 20020325; DE 60202280 T 20020325; DE 60213081 T 20020325; EP 02717214 A 20020325; EP 02717215 A 20020325; ES 02717214 T 20020325; ES 02717215 T 20020325; HK 04105739 A 20040803; HK 04105740 A 20040803; JP 2002577072 A 20020325; NO 0200123 W 20020325; NO 20011604 A 20010329; US 47308303 A 20030926