

Title (en)

TOY VEHICLE WITH MULTIPLE GYROSCOPIC ACTION WHEELS

Title (de)

SPIELZEUGFAHRZEUG MIT MEHRFACH-GYROSKOPISCHEN AKTIONSRÄDERN

Title (fr)

VEHICULE DE JEU COMPORTANT PLUSIEURS ROUES A ACTION GYROSCOPIQUE

Publication

EP 1268023 A1 20030102 (EN)

Application

EP 01924286 A 20010323

Priority

- US 0109394 W 20010323
- US 19211700 P 20000324

Abstract (en)

[origin: WO0172391A1] Radio control vehicle (1) has greater than two gyroscopic action wheels (10a, 10b) which provide a wider range of stunt options and increased stability during operations. The overall weight of the vehicle with respect to the combined mass and gyroscopic force which the gyroscopic wheels can produce for given rpm speeds is maintained within a predetermined operating range in order to provide the increased stunt maneuverability and stabilization during operations. The torque reaction of opposing gyroscopic wheels or wheel pairs creates a range where stunt inducing forces/actions are equal to or greater than the gyro effect created by the respective wheels. The combination of the torque reaction and gyro effects broadens the scope of existing stunt capabilities and make possible a completely new range of stunt inducing actions not available in other radio controlled toys.

IPC 1-7

A63H 30/04

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 0172391A1

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