

Title (en)
TOY VEHICLE SYSTEM

Title (de)
SPIELFAHRZEUGSYSTEM

Title (fr)
SYSTÈME DE VÉHICULE-JOUET

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Abstract (en)
[origin: WO2016188638A2] The invention relates to a toy vehicle system and an associated operating method. The toy vehicle system comprises a toy vehicle (1), a remote control transmitter (2) and a control unit (3). The toy vehicle (1) comprises a drive having at least two drive motors (11, 12) and at least two rolling elements (6, 8), wherein the rolling elements (6, 8) can be driven rotationally by means of the drive motors (11, 12) independently of one another about respective axes of rotation (7, 9). The toy vehicle (1) further comprises at least one steering device for the adjustment of orientation directions of the axes of rotation (7, 9) relative to the vehicle longitudinal axis (10). Control input signals of the remote control transmitter (2) are fed into the control unit (3). The control unit (3) generates control output signals which act upon the drive and the steering device of the toy vehicle (1). In the operating method according to the invention, the control unit (3) carries out a computational driving simulation and generates therefrom control output signals such that the toy vehicle (1) executes a driving motion according to the computational driving simulation under the effect of a virtual operating frictional force (Fv).

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