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(54) Interactive intelligent toy and components for use in and with such a toy

The present invention is directed to an interactive intelligent toy that provides the appearance and experience of a person, animal, vehicle, or other character moving in, and/or interacting with, its environment or habitat on its own. In one embodiment, a motive component simulating the appearance of a person, animal, vehicle or other character comprises a drive mechanism to move the motive component, a control mechanism and a power source. The control mechanism is programmed to monitor and detect user and event inputs, and to detect and decode embedded codes in a pathway component and perform predetermined actions or generate predetermined sounds in response to the inputs and codes. In another embodiment, the motive component engages with a coupling component and supplies the drive mechanism and power source for moving both the motive component and the coupling component. In yet another embodiment, the motive component is adapted to perform certain actions upon contact with, or becoming in proximity to, an auxiliary component. The invention therefore provides a simulated character that appears to have a mind of its own in operating within a certain environment. Given that the intelligent element is able to supply the means (drive mechanism, control mechanism and power source) to enable other elements to perform actions, the cost of the toy can be minimized while providing a large variety of different activities and the ability to expand to new environments and activities.

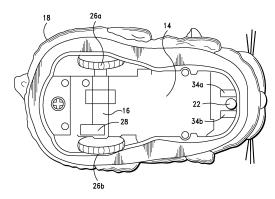


FIG. 2

EP 2 241 359 A3



PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 09 17 8574

under Rule 62a and/or 63 of the European Patent Convention. This report shall be considered, for the purposes of subsequent proceedings, as the European search report

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INCOI	MPLETE SEARCH					
	ch Division considers that the present a y with the EPC so that only a partial se	application, or one or more of its claims, does/ earch (R.62a, 63) has been carried out.	do			
Claims se	arched completely :					
Claims se	arched incompletely :					
Claims no	nt searched :					
	or the limitation of the search: sheet C					
	Place of search	Date of completion of the search		Examiner		
	Munich	20 September 2013	Bru	mme, Ion		
X : parti Y : parti docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anoth unent of the same category inological background	L : document cited for	ument, but publis the application rother reasons			
	-written disclosure		member of the same patent family, corresponding document			

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PARTIAL EUROPEAN SEARCH REPORT

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INCOMPLETE SEARCH SHEET C

Application Number

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Claim(s) completely searchable: 7-15
Claim(s) not searched: 1-6, 16, 17
Reason for the limitation of the search:
The search has been restricted to the subject-matter indicated by the applicant in his letter of 14.06.2013 filed in reply to the invitation pursuant to Rule 62a(1) EPC.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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