

Title (en)  
CONTROL DEVICE FOR MODELS, ESPECIALLY TOY CONSTRUCTION VEHICLES

Publication  
**EP 0170620 B1 19880413 (DE)**

Application  
**EP 85810320 A 19850710**

Priority  
CH 336684 A 19840711

Abstract (en)  
1. Actuating device for construction models, especially for toy construction vehicles, comprising a drive unit which can be connected with an external rotary force source (77) and comprising an actuating unit which can be connected with this drive unit via a flexible transmission shaft (1, 2) for delivering a rotary force (torque) or an adjusting force (linear force), the drive unit and the actuating unit each possessing a casing (10 ; 21 ; 44) and a rotary element (16 ; 41, 50) journaled therein, such that the rotary element (16) in the drive unit can be connected at the drive side with the external rotary force source (77) and at the take-off side with the one end of the flexible transmission shaft (1, 2), and that the rotary element (41, 50) in the actuating unit can be connected at the drive side with the other end of the transmission shaft (1, 2) and at the take-off side with a component (24) of the construction model to be actuated, and wherein the flexible transmission shaft (1, 2) comprises a shaft core (1) and a protective sheath (2) surrounding this, characterized in that the connection of the flexible transmission shaft (1, 2) with the rotary elements (16 ; 41, 50) of the drive unit and of the actuating unit respectively is releasable and is provided by plug couplings, the shaft core (1) and the protective sheath (2) being provided at their two ends each with a plug element (8 ; 3 respectively), the rotary elements (16 ; 41, 50 respectively) of the drive unit and of the actuating unit each possessing a connecting bore (18 ; 42, 51 respectively) constructed in complementary form to the relevant plug element (8) of the shaft core (1) and suitable for torque transmission, and the casings (10 ; 21, 44 respectively) of the drive unit and of the actuating unit each possessing a connecting socket (15 ; 30, 49) of complementary form to the relevant plug element (3) of the protective sheath (2).

IPC 1-7  
**A63H 31/10**

IPC 8 full level  
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CPC (source: EP KR US)  
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