

Title (en)  
Remote-control toy motorcycle

Title (de)  
Spielzeugmotorrad mit Fernsteuerung

Title (fr)  
Motocyclette jouet à télécommande

Publication  
**EP 2168642 A1 20100331 (EN)**

Application  
**EP 09011156 A 20090831**

Priority  
• TW 97217353 U 20080925  
• TW 98113528 A 20090423

Abstract (en)  
A remote-control toy motorcycle is composed of a body (10, 50), a front wheel (15), a rear wheel (60), and a power output device (40). The rear wheel (60) includes a fastening shaft (62); a wheel rim set (61, 69) for inserting the fastening shaft (62) therethrough and for rotation driven by the power output device (40); a planetary gear set (70) having a gear wheel (71) and a plurality of planetary gears (73), the gear wheel (71) having an axial hole (710) located a center thereof for inserting the fastening shaft (62) therethrough, the planetary gears (73) engaging and circling the gear wheel (71); a unidirectional rotary member (68) inserted through the space between the fastening shaft (62) and the axial hole (710) for actuating unidirectional converse rotation of the gear wheel (71) that is forced by an external torque; a clutch set (80) connected with the planetary gears (73) for synchronic rotation and for expansion in high-speed rotation; and a flywheel set (90) having a main body (92) surrounding the clutch set (80) for rotation actuated by the expansion of the clutch set (80), the main body (92) having a plurality of cavities (93) for receiving a plurality of weights (95) whose number is identical to or smaller than that of the cavities (93).

IPC 8 full level  
**A63H 29/22** (2006.01); **A63H 17/21** (2006.01); **A63H 30/04** (2006.01)

CPC (source: EP US)  
**A63H 17/21** (2013.01 - EP US); **A63H 29/22** (2013.01 - EP US); **A63H 30/04** (2013.01 - EP US)

Citation (applicant)  
• US 4342175 A 19820803 - CERNANSKY JOSEPH S, et al  
• US 5368516 A 19941129 - HOETING MICHAEL G [US], et al  
• US 5709583 A 19980120 - SUTO SHOHEI [JP], et al  
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Citation (search report)  
• [X] US 6095891 A 20000801 - HOETING MICHAEL G [US], et al  
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
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