

Title (en)
Leverage mechanism for toys

Title (de)
Hebelsystem für einen spielzeug

Title (fr)
Mécanisme à levier pour un jouet

Publication
EP 1106222 A1 20010613 (EN)

Application
EP 99309881 A 19991208

Priority
EP 99309881 A 19991208

Abstract (en)
A leverage mechanism actuating device includes a drive member with an output shaft (121,321) to drive rotatably a rotary body (13,33) around an axis. A force transmission member (14,34) is moved relative to the rotary body (13,33) between first and second positions by a centrifugal force generated by a rotary driving force applied by the output shaft (121,321) on the rotary body (13,33). Movement of the force transmission member (14,34) enables the force transmission member to convert the rotary driving force into a translational lifting force in a direction parallel to the axis. A leverage mechanism includes a fulcrum (24), and first and second locations. The first location is associated operably with the force transmission member (14,34). The second location is adapted to be connected to a toy. Thus, the first location is actuated by the translational lifting force of the force transmission member (14,34) to result in a power output at the second location for initiating motion of the toy. <IMAGE>

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A63H 29/08; G09F 19/02; G09F 19/08

IPC 8 full level
A63H 29/08 (2006.01); **G09F 19/02** (2006.01)

CPC (source: EP)
A63H 29/08 (2013.01); **G09F 19/02** (2013.01)

Citation (search report)
• [A] US 4828530 A 19890509 - LEE YEONG R [TW]
• [A] US 5483763 A 19960116 - LIU JIAN H [TW]
• [A] GB 2230468 A 19901024 - KIM DOUGLAS TAEK
• [A] US 5040319 A 19910820 - WANG KUANG C [TW], et al

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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