

Title (en)  
Spinning top

Title (de)  
Kreisel

Title (fr)  
Toupie en plomb

Publication  
**EP 2564910 A1 20130306 (EN)**

Application  
**EP 11179478 A 20110831**

Priority  
EP 11179478 A 20110831

Abstract (en)  
A spinning top (2) includes a main body (4) tapering from a top end to a bottom end thereof and having a rotating (2) tip end (40) at the bottom end, and a plate body (3) including a base portion (31) connected to and covering the top end of the main body (4), an annular grip portion (32) extending outwardly and radially from the base portion (31), and a top face (30) defined by top surfaces of the base portion (31) and the annular grip portion (32). The base portion (31) has a central tapered groove (311) tapering downwardly from the top face (30) of the plate body (3). The rotating tip end (40) has a diameter smaller than a smallest diameter of the central tapered groove (311).

IPC 8 full level  
**A63H 1/00** (2019.01); **A63H 1/02** (2006.01); **A63H 1/24** (2006.01)

CPC (source: EP US)  
**A63H 1/00** (2013.01 - EP US); **A63H 1/02** (2013.01 - EP US); **A63H 1/24** (2013.01 - EP US)

Citation (applicant)  
TW 200948447 A 20091201 - LEI SI [TW]

Citation (search report)  
• [XAYI] GB 1181333 A 19700211 - RADA MANUFACTORY LTD [HK]  
• [Y] US 814962 A 19060313 - IRVING JAMES A [US]  
• [Y] US 2010120324 A1 20100513 - GOOZNER RAPHAEL [US]  
• [Y] EP 2106832 A1 20091007 - TOMY CO LTD [JP]  
• [A] US 6364734 B1 20020402 - NG RICKY [HK]  
• [A] GB 420931 A 19341211 - GUSTAV ERNST PAUL LEHMANN  
• [A] US 3906660 A 19750923 - VOTH HARRY A  
• [A] DE 2361232 A1 19750612 - SCHELLENBERG GEB FREIBERG GRET  
• [A] CN 2238672 Y 19961030 - ZHU CHANGSONG [CN]  
• [A] DE 20304502 U1 20030626 - LIN MON SHENG [TW]  
• [A] WO 0043091 A1 20000727 - KOOKE HERMANUS NICOLAAS FRANCI [NL]  
• [A] US 2004198152 A1 20041007 - MATSUKAWA HIROYUKI [JP]

Cited by  
WO2024127340A1

Designated contracting state (EPC)  
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