

Title (en)
Toy water gun

Title (de)
Spielzeugwasserpistole

Title (fr)
Pistolet à eau

Publication
EP 2224201 A2 20100901 (EN)

Application
EP 10154553 A 20100224

Priority
JP 2009001063 U 20090226

Abstract (en)
A toy water gun with a simple configuration and easy handling, said toy water gun (1) comprising a housing (10) having a grip part (11), a removable tank (3), a muzzle part (4), a cylinder (20), a pump mechanism (2) having a piston (21) and a check valve (6), a water passage connecting the tank (3) and the muzzle part (4), an operation part (12), and a water stopper, wherein the piston (21) includes a piston head (21a) at its end, a discoid ring mounting plate (23) being secured to the piston head (21a), a ring groove (24) being formed between the piston head part (21a) and the rear of the ring mounting plate (23). The ring mounting plate (23) has through-holes (25) which communicate with the ring groove (24), and an O-ring (22) which is slidably provided in the ring groove (24).

IPC 8 full level
F41B 9/00 (2006.01)

CPC (source: EP US)
F41B 9/0018 (2013.01 - EP US); **F41B 9/0071** (2013.01 - EP US)

Citation (applicant)
US 5184755 A 19930209 - BROVELLI VIRGINIO [IT]

Cited by
CN103411476A; CN114459282A

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)
AL BA RS

DOCDB simple family (publication)
EP 2224201 A2 20100901; EP 2224201 A3 20111102; CN 201658847 U 20101201; JP 3150387 U 20090507; US 2010213209 A1 20100826

DOCDB simple family (application)
EP 10154553 A 20100224; CN 201020132169 U 20100226; JP 2009001063 U 20090226; US 70895510 A 20100219