

Title (en)
Hanging slider with roller bearings

Title (de)
Hängeschieber mit Rollenlagern

Title (fr)
Coulisseau de suspension avec des appareils d'appui à rouleaux

Publication
EP 2865300 A1 20150429 (EN)

Application
EP 14190589 A 20141028

Priority
TW 102220024 U 20131028

Abstract (en)
A hanging slider includes a main body (100), an axle shaft (210), two wheel members (220/230) and a plurality of roller bearings (300). The main body (100) includes a hollow member (110) and a hooking member (130). The axle shaft (210) penetrates through the hollow member (110). The two wheel members (220/230) are arranged on two ends of the axle shaft (210) and are positioned outside of the hollow member (110) respectively. The roller bearings (300) are received inside the hollow member (110); each roller bearing (300) is parallel to the axle shaft (210) and supports between the hollow member (110) and the axle shaft (210); the roller bearings (300) are arranged to circumference the axle shaft (210). With the linear contacts formed among the roller bearings (300) and the hollow member (110) as well as the axle shaft (210), the useful lifetime of the hanging slider is prolonged.

IPC 8 full level
A47H 15/02 (2006.01)

CPC (source: EP US)
A47H 15/02 (2013.01 - EP US)

Citation (search report)
• [A] US 7937808 B1 20110510 - CHUANG SHAN-CHI [TW]
• [A] US 7757347 B1 20100720 - WICKER JOE D [US]
• [A] US 2007289090 A1 20071220 - CAI YIWEI [US]

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US2022015567A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2865300 A1 20150429; EP 2865300 B1 20160622; TW M475239 U 20140401; US 2015113769 A1 20150430

DOCDB simple family (application)
EP 14190589 A 20141028; TW 102220024 U 20131028; US 201414525227 A 20141028