

Title (en)
Adjustable socket structure

Title (de)
Einstellbare Nussstruktur

Title (fr)
Structure de douille ajustable

Publication
EP 2543479 A1 20130109 (EN)

Application
EP 11172509 A 20110704

Priority
EP 11172509 A 20110704

Abstract (en)
An adjustable socket structure contains a body (10) including a first groove (11), a second groove (12), a first notch (13), a number of slots (14); a plurality of paws (20), each including a sliding block (21), and the sliding block (21) including a first hole (23); a number of connecting rods (30), each being movably fixed in the second groove (12) and including a first axial shank (31) and a second axial shank (32); a driving shaft (40) including an axial portion (41) and a disk portion (42), wherein the axial portion (41) includes a square bore (43), and the disk portion (42) is rotated in the first groove (11) and includes an outer diameter larger than the axial portion (41) and three second holes (44) so that the driving shaft (40) is rotated to actuate the paws (20) to move in the slots (14) respectively by using the connecting rods (30); a helical retaining ring (50) retained in the first notch (13) to abut against a rear end of the disk portion (42) of the driving shaft (40).

IPC 8 full level
B25B 13/44 (2006.01)

CPC (source: EP)
B25B 13/44 (2013.01)

Citation (applicant)
US 6622598 B2 20030923 - CHANG CHUNG-SHU [TW]

Citation (search report)

- [YA] US 6622598 B2 20030923 - CHANG CHUNG-SHU [TW]
- [Y] GB 2427377 A 20061227 - HO CHI ENTPR CO LTD [TW]
- [A] US 2007131067 A1 20070614 - WU PI-LIANG [TW]
- [A] US 1395585 A 19211101
- [A] WO 9203261 A1 19920305 - FOSSELLA GREGORY [US]

Cited by
CN110170964A; CN110238785A; CN113226652A; CN111300338A

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

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