

Title (en)

GOLF CLUB HEADS WITH GOLF COUPLING MECHANISMS

Title (de)

GOLFSCHLÄGERKÖPFE MIT GOLFKUPPLUNGSMECHANISMEN

Title (fr)

TÊTES DE CLUB DE GOLF POURVUES DE MÉCANISMES DE COUPLAGE DE GOLF

Publication

EP 4003546 A4 20231129 (EN)

Application

EP 20848010 A 20200731

Priority

- US 201962881271 P 20190731
- US 2020044627 W 20200731

Abstract (en)

[origin: WO2021022219A1] Embodiments of golf coupling mechanisms for joining golf club heads and shafts are described herein. The golf coupling mechanism allows for adjustment of a club head loft angle, a club head lie angle, and a golf club shaft length while utilizing one club head and one shaft. In a fully extended configuration, the golf coupling mechanism includes a shaft sleeve, a removable spacer, and a removable extender, wherein a fastening assembly secures the golf coupling mechanism to the golf club head. In a contracted configuration, the golf coupling mechanism includes the shaft sleeve. The golf coupling mechanism further includes a shaft cap to soften the interaction between the shaft and the golf coupling mechanism. The golf coupling mechanism further comprises one or more arcuate coupler sets to frictionally lock the shaft relative to the golf club head.

IPC 8 full level

A63B 53/02 (2015.01); **A63B 53/04** (2015.01); **A63B 53/06** (2015.01); **A63B 60/28** (2015.01); **A63B 71/06** (2006.01)

CPC (source: EP GB KR)

A63B 53/023 (2020.08 - EP GB KR); **A63B 53/047** (2013.01 - KR); **A63B 60/28** (2015.10 - EP); **A63B 53/047** (2013.01 - EP GB); **A63B 2071/0602** (2013.01 - GB); **A63B 2071/0694** (2013.01 - EP); **A63B 2209/00** (2013.01 - GB KR); **A63B 2225/09** (2013.01 - GB KR); **A63B 2225/093** (2013.01 - GB KR)

Citation (search report)

- [XY] US 2018093141 A1 20180405 - CLARKE JACOB [US], et al
- [Y] US 8337319 B2 20121225 - SARGENT NATHAN [US], et al
- See also references of WO 2021022219A1

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

DOCDB simple family (publication)

WO 2021022219 A1 20210204; EP 4003546 A1 20220601; EP 4003546 A4 20231129; GB 202202208 D0 20220406; GB 202309976 D0 20230816; GB 202316678 D0 20231213; GB 2601659 A 20220608; GB 2601659 B 20230816; GB 2616585 A 20230913; GB 2616585 B 20240403; GB 2620719 A 20240117; GB 2620719 B 20240508; JP 2022543081 A 20221007; KR 20220038471 A 20220328

DOCDB simple family (application)

US 2020044627 W 20200731; EP 20848010 A 20200731; GB 202202208 A 20200731; GB 202309976 A 20200731; GB 202316678 A 20200731; JP 2022506554 A 20200731; KR 20227006323 A 20200731