

Title (en)

GROOVES OF GOLF CLUB HEADS AND METHODS TO MANUFACTURE GROOVES OF GOLF CLUB HEADS

Title (de)

NUTEN FÜR GOLFSCHLÄGERKÖPFE UND VERFAHREN ZUR HERSTELLUNG VON NUTEN FÜR GOLFSCHLÄGERKÖPFE

Title (fr)

RAINURES DE TÊTES DE CLUB DE GOLF, ET PROCÉDÉS DE FABRICATION DE RAINURES DE TÊTES DE CLUB DE GOLF

Publication

EP 3661612 A1 20200610 (EN)

Application

EP 18840665 A 20180806

Priority

- US 201762541445 P 20170804
- US 201815962969 A 20180425
- US 2018045443 W 20180806

Abstract (en)

[origin: WO2019028477A1] Embodiments of grooves and face inserts of golf club heads and methods to manufacture grooves and face inserts of golf club heads are generally described herein. Other embodiments may be described and claimed.

IPC 8 full level

A63B 53/04 (2015.01); **A63B 53/00** (2015.01); **A63B 53/06** (2015.01)

CPC (source: EP KR US)

A63B 53/042 (2020.08 - EP); **A63B 53/0425** (2020.08 - EP KR); **A63B 53/0433** (2020.08 - EP KR); **A63B 53/0445** (2020.08 - EP KR); **A63B 53/0487** (2013.01 - EP KR US); **A63B 2209/00** (2013.01 - EP KR US)

Cited by

US11618079B1; US11618213B1

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)

WO 2019028477 A1 20190207; EP 3661612 A1 20200610; EP 3661612 A4 20210414; JP 2020529277 A 20201008; JP 2023039450 A 20230320; JP 7202357 B2 20230111; JP 7401642 B2 20231219; KR 102629342 B1 20240124; KR 20200035110 A 20200401; KR 20240012620 A 20240129

DOCDB simple family (application)

US 2018045443 W 20180806; EP 18840665 A 20180806; JP 2020506216 A 20180806; JP 2022207026 A 20221223; KR 20207006300 A 20180806; KR 20247002362 A 20180806