

Title (en)
IMPROVED SPORTING ARTICLES

Title (de)
VERBESSERTE SPORTARTIKEL

Title (fr)
ARTICLES DE SPORT AMÉLIORÉS

Publication
EP 3999195 A4 20230802 (EN)

Application
EP 20842684 A 20200717

Priority
• AU 2019902565 A 20190719
• AU 2019903968 A 20191022
• AU 2020050743 W 20200717

Abstract (en)
[origin: WO2021012002A1] Sporting articles are provided that have improved aerodynamics, including a golf club. The golf club includes a head, the head including a plurality of dimples, configured to decrease drag of the head when swung by the user, and a chamber defined in the head, the chamber including one or more weights movable within the chamber to adjust a balance of the golf club head. The movable weights enable adjustments to be made to compensate for changes in characteristics of the golf club associated with the increased aerodynamic efficiency.

IPC 8 full level
A63B 53/04 (2015.01); **A63B 49/08** (2015.01); **A63B 53/06** (2015.01); **A63B 60/04** (2015.01); **A63B 71/00** (2006.01)

CPC (source: AU EP US)
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Citation (search report)
• [Y] JP H0928844 A 19970204 - YOKOHAMA RUBBER CO LTD
• [Y] JP 2001259089 A 20010925 - MIRAI SELECT KK
• [Y] JP 2009000281 A 20090108 - SATO TOMOHIKO, et al
• [Y] JP H10234892 A 19980908 - SHOGENJI TAKASHI
• See also references of WO 2021012002A1

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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WO 2021012002 A1 20210128; AU 2020317058 A1 20220303; AU 2021266200 A1 20211216; AU 2021266200 B2 20230511; CN 114340746 A 20220412; EP 3999195 A1 20220525; EP 3999195 A4 20230802; JP 2022541575 A 20220926; US 2022258017 A1 20220818

DOCDB simple family (application)
AU 2020050743 W 20200717; AU 2020317058 A 20200717; AU 2021266200 A 20211108; CN 202080062923 A 20200717; EP 20842684 A 20200717; JP 2022503787 A 20200717; US 202017627865 A 20200717