

Title (en)

Racket with improved strength and low air resistance

Title (de)

Schläger mit erhöhter Stärke und geringem Luftwiderstand

Title (fr)

Raquette à résistance améliorée et faible résistance à l'air

Publication

**EP 2022542 A1 20090211 (EN)**

Application

**EP 07015410 A 20070806**

Priority

EP 07015410 A 20070806

Abstract (en)

A racket (10, 40, 50, 60, 70, 80) with improved strength and low air resistance includes a head frame (20, 41, 66, 72, 82), a connecting portion (30) extending from the head frame (20, 41, 66, 72, 82), and a handle fastened to a free end (31) of the connecting portion (30). The head frame (20, 41, 66, 72, 82) is provided with an inner circumference surface (22, 44, 56), an outer circumference surface (25) and two annular surfaces (26, 52, 62, 74, 84) connecting between the inner circumference surface (22, 44, 56) and the outer circumference surface (25). The annular surfaces (26, 52, 62, 74, 84) are provided with a plurality of concavities (27, 54, 64, 76, 86) adjacent to the inner circumference surface (22, 44, 56) such that an edge of the inner circumference surface (22, 44, 56) has a waved shape. By means of the aforesaid arrangement, the racket (10, 40, 50, 60, 70, 80) has improved strength and low air resistance and is easy to manipulate.

IPC 8 full level

**A63B 49/02** (2006.01)

CPC (source: EP US)

**A63B 49/02** (2013.01 - EP US); **A63B 60/48** (2015.10 - US); **A63B 60/006** (2020.08 - US); **A63B 2049/0217** (2013.01 - EP)

Citation (search report)

- [X] EP 1149607 A2 20011031 - EF COMPOSITE TECHNOLOGIES LP [US]
- [X] DE 202005011325 U1 20051117 - YUAN MIN AN ENTPR CO [TW]

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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