

## Title (en)

Tennis racquet of laminated material.

## Title (de)

Beschichteter Tennisschläger.

## Title (fr)

Raquette de tennis en matériau stratifié.

## Publication

**EP 0233128 A1 19870819 (FR)**

## Application

**EP 87420011 A 19870112**

## Priority

FR 8600726 A 19860113

## Abstract (en)

[origin: US4725059A] A racket body formed of composite materials in which the shaft portion of the handle, two branches of a throat portion and a frame portion, which can be completed by a bridging portion, adjoin in end to end relationship and have cores and sheaths composed of different materials. The sheaths are comprised of fiber webs or braids impregnated with synthetic resin, the fibers differing along the length of the racket from at least one portion to another, while the orientations of the fibers with respect to the axes of the respective cores can differ from place to place as well. The end portions of the two branches of the throat are axially offset from one another so as to avoid the formation of a rupture zone.

## Abstract (fr)

Ce cadre est du type formé par enroulement de nappes ou de tissus de fibres imprégnées de résine synthétique autour d'un mandrin en matériau alvéolaire ou autour d'une chambre à air légèrement gonflée. Le cadre est constitué, pour au moins deux de ses zones [manche (4) et panier (1)], par des éléments qui se font suite d'une zone à l'autre, mais sont différenciés par la nature du mandrin (6, 12), et par la nature des fibres des nappes textiles (5, 11) enveloppant ce mandrin, le raccordement des deux zones du cadre étant fait par chevauchement local des enveloppes des mandrins, et les zones d'arrêt des branches (2) dans le manche (4) étant décalées axialement.

## IPC 1-7

**A63B 49/10**

## IPC 8 full level

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**A63B 49/10** (2013.01 - EP US); **A63B 60/00** (2015.10 - US); **A63B 60/14** (2015.10 - EP); **A63B 60/08** (2015.10 - EP); **A63B 2209/023** (2013.01 - EP US); **Y10S 273/04** (2013.01 - EP US); **Y10S 273/07** (2013.01 - EP US); **Y10S 273/08** (2013.01 - EP US); **Y10S 273/16** (2013.01 - EP US); **Y10S 273/23** (2013.01 - EP US)

## Citation (search report)

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- [Y] EP 0055184 A1 19820630 - GUYOT MICHEL
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## Designated contracting state (EPC)

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## DOCDB simple family (application)

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