

Title (en)  
Sports racket

Title (de)  
Sportschläger

Title (fr)  
Raquette de sport

Publication  
**EP 1108447 A1 20010620 (EN)**

Application  
**EP 99310085 A 19991215**

Priority  
EP 99310085 A 19991215

Abstract (en)  
A sports racket (1) comprises a racket body (2) having a longitudinal axis (3), said racket body (2) having a handle (4) and a frame (5), said frame (5) including a head part (6), a middle part (7), a throat element (8), and a shank element (9) connecting said throat element (8) to said handle (4); at least two string segment systems in a plane (10), one system comprising longitudinal string segments (12) running from the head part (6) towards the handle (4) in a direction substantially parallel to the longitudinal axis (3) of the racket, at least one different system comprising transverse string segments (11) running from one side of said axis (3) towards the opposite side in a direction substantially perpendicular to said axis (3), each string segment possessing two ends anchored on said members of the frame, said transverse string segments (11) and said longitudinal string segments (12) intersecting with one another; wherein a portion of said throat element (8) is provided with at least one opening (21) enabling a plurality of said longitudinal string segments (12) to pass through and be anchored in the region (30) between the throat element (8) and the handle (4), and at least for two longitudinal string segments, one on either side of the longitudinal axis (3), anchored in the region between the throat element (8) and the handle (4), there is no structural, load-carrying member between said side string segments and the outboard space beyond. The frame (5), which surrounds the string network (11, 12), is essentially not continuous. <IMAGE>

IPC 1-7  
**A63B 49/02**; **A63B 51/00**

IPC 8 full level  
**A63B 49/02** (2006.01); **A63B 51/00** (2006.01); **A63B 51/08** (2006.01)

CPC (source: EP US)  
**A63B 49/02** (2013.01 - EP); **A63B 49/028** (2015.10 - EP US); **A63B 49/03** (2015.10 - EP US); **A63B 51/00** (2013.01 - EP); **A63B 51/08** (2013.01 - EP); **A63B 2049/0211** (2013.01 - EP)

Citation (applicant)  
• US 4437662 A 19840320 - SOONG TSAI C [US]  
• EP 0093210 A1 19831109 - SOONG TSAI C

Citation (search report)  
• [E] US 6027420 A 20000222 - SOONG TSAI C [US]  
• [A] US 4595201 A 19860617 - FISCHER HERWIG [DE]  
• [A] DE 3211738 A1 19831006 - FISCHER HERWIG  
• [A] US 2165701 A 19390711 - HENRY GOERKE  
• [A] GB 2226250 A 19900627 - JSENG KUNI  
• [A] US 5141228 A 19920825 - SOONG TSAI C [US]  
• [A] DE 2829818 A1 19800117 - HILDEBRAND KURT

Designated contracting state (EPC)  
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