

Title (en)
BALANCING DEVICE FOR A TENNIS RACKET

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EP 0074094 A3 19840201 (DE)

Application
EP 82108115 A 19820902

Priority
• DE 3135167 A 19810904
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Abstract (en)
[origin: EP0074094A2] In order to change the centre of gravity of a racket, in particular a tennis or squash racket, a circumferential continuous cable (14; 14', 14'') is arranged inside the frame (12) of the racket, which cable can be actuated from outside and to which a weight (10; 10', 10'') is attached. By movement of the cable, the weight can be displaced slightly in the longitudinal direction of the frame and thus the centre of gravity of the racket can be changed. In order to suppress transverse vibrations of the cable, (14; 14', 14'') and/or the weight (10; 10', 10'') and any knocking or rattling noises caused thereby, the weight, the cable and/or the inside walls of the hollow frame (12), in particular the shaft (22), are provided with a vibration-damping or shock-absorbing element (15, 52, 54). To facilitate assembly, the cable (14; 14', 14'') together with the weight (10; 10', 10'') and cable deflection surfaces or grooves (20, 20' or 20, 86 or 47, 48) are situated in an assembly sleeve (76 or 78) which can be inserted into the interior of the shaft. <IMAGE>

IPC 1-7
A63B 49/04

IPC 8 full level
A63B 49/04 (2006.01)

CPC (source: EP)
A63B 60/02 (2015.10)

Citation (search report)
• [X] FR 2122089 A5 19720825 - THIBAUT JACQUES
• [YD] US 2215899 A 19400924 - MERCER BEASLEY
• [Y] US 3975018 A 19760817 - WALKER FRANK J
• [Y] US 3801099 A 19740402 - LAIR J
• [X] US 2395864 A 19460305 - GEERLINGS GERALD K, et al
• [A] US 3907292 A 19750923 - MORELAND JAMES P
• [A] BE 862860 A 19780502 - CRAHAY PHILIPPE
• [A] US 4355803 A 19821026 - RAMA LORD

Cited by
CN112337065A; AT389054B; EP0473184A1; FR2569989A1

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