

Title (en)
Safety racket

Title (de)
Sicherheitsschläger

Title (fr)
Raquette sécurisée

Publication
EP 1994962 A1 20081126 (EN)

Application
EP 07010083 A 20070521

Priority
EP 07010083 A 20070521

Abstract (en)
A safety racket (10, 40, 50, 60, 70, 80) includes a head frame (20, 48), a handle (28), a connecting portion (29), several nail members (30, 44, 54, 62) and a string (38, 56, 68). The head frame (20, 48) has a plurality of through holes (24, 52). The connecting portion (29) connects between the head frame (20, 48) and the handle (28). The nail members (30, 44, 54, 62) each have a head (32, 45, 63) and at least one body (34, 46, 64) extending along an axial direction (A) from the head (32, 45, 63) and inserted into the through hole (24, 52). The body (34, 46, 64) of the nail member (30, 44, 54, 62) has a distal end (35, 65) protruding from the through hole (24, 52), and a lateral hole (36, 47, 66) positioned at the distal end (35, 65) and extending along a direction (X) substantially perpendicular to the axial direction (A). The string (38, 56, 68) passes through the lateral hole (36, 47, 66) and interwaved to form a net surface (P). Since the string (38, 56, 68) is not exposed outside the head frame (20, 48), the string (38, 56, 68) is well protected to avoid damaging by external objects. The racket (10, 40, 50, 60, 70, 80) also has excellent shock-absorbing effect due to elastic material, such as rubber and plastic, adopted by the nail members (30, 44, 54, 62).

IPC 8 full level
A63B 49/00 (2006.01)

CPC (source: EP)
A63B 49/022 (2015.10); **A63B 49/028** (2015.10); **A63B 60/54** (2015.10)

Citation (search report)

- [XY] US 5251895 A 19931012 - DARLING JAMES P [US]
- [Y] US 5310180 A 19940510 - WU CHAO-I [TW]
- [A] US 3912267 A 19751014 - LYON EDWIN J
- [A] US 5667216 A 19970916 - GUNN ROBERT H [US]
- [A] US 3986716 A 19761019 - TAUSSIG FREDERICK, et al
- [A] US 3981502 A 19760921 - PORTZ WILLIAM E

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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