

Title (en)
An exercise device

Title (de)
Übungsgerät

Title (fr)
Dispositif pour exercice

Publication
EP 2277603 A3 20111109 (EN)

Application
EP 10168827 A 20100708

Priority
GB 0911851 A 20090708

Abstract (en)
[origin: EP2277603A2] An exercise device (100,300) comprises a lifting bar (40) having an axis and an axial end portion (60), and at least one weight section (120) mounted to the end portion (60) of the lifting bar, and having an axial end face (280). At least one and preferably a plurality of resilient projections (160, 310) project from the axial end face (280) of the at least one weight section (120) and have a distal end surface (200,320) defining an axially outermost end surface of the exercise device (100). The projections in particular are disposed and extend intermittently around the periphery of the axial end face (280), and define a castellated axially outermost end surface of the exercise device (100). The projections are integrally moulded with and as part of the outer skin (140).The projections (160, 310) projecting from the end of the dumbbell (100,300) protect the end of the dumbbell (100,300) from impact and absorb any impact energy reducing damage to the dumbbell, and in particular loosening of the mounting of the weight sections (120), when dropped on its end on the floor.

IPC 8 full level
A63B 21/072 (2006.01)

CPC (source: EP GB)
A63B 21/072 (2013.01 - GB); **A63B 21/0726** (2013.01 - EP); **A63B 2071/0063** (2013.01 - EP)

Citation (search report)

- [X] JP H11165158 A 19990622 - KURITA SHOTEN KK, et al
- [A] EP 1939236 A1 20080702 - YOSHINO KOGYOSHO CO LTD [JP]
- [XA] US 2008153678 A1 20080626 - MCCLUSKY SCOTT [US]
- [XA] GB 2135894 A 19840912 - HAMMER SPORT VERTRIEBS GMBH
- [X] US 2009093348 A1 20090409 - WANG WEN-CHING [TW]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2277603 A2 20110126; EP 2277603 A3 20111109; EP 2277603 B1 20180530; ES 2685311 T3 20181008; GB 0911851 D0 20090819; GB 2471691 A 20110112; GB 2471691 B 20121205

DOCDB simple family (application)
EP 10168827 A 20100708; ES 10168827 T 20100708; GB 0911851 A 20090708