

Title (en)
BALL

Title (de)
BALL

Title (fr)
BALLON

Publication
EP 3088053 A4 20170913 (EN)

Application
EP 14874633 A 20141226

Priority
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Abstract (en)
[origin: EP3088053A1] [Problem] A ball is provided which bounces even if compressed air above atmospheric pressure is not blown into the inside of the ball. [Solution] On inner wall surfaces of a plurality of divisional bodies 1 and 11 configured of a soft material made of resin or rubber, many recessed parts 4 and 14 are formed as being surrounded by many linear protruding parts 3 and 13 to form triangles or shapes in a geometric pattern other than triangles. With this, the protruding parts exert a function equivalent to that as a bobbin to make a ball have uniform hardness as a whole, allowing user as a ball irrespectively of attaching a skin body formed separately from the plurality of divisional bodies 1 and 11 to an outer wall surface of the ball. On the other hand, divisional end parts of the divisional bodies 1 and 11 forming circular openings or flange parts 5 and 15 provided to the divisional end parts are welded or bonded together, and do not protrude outside from the outer wall surface of the ball, thereby allowing use at ease as a ball irrespectively of attaching a skin body.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] WO 2009158104 A1 20091230 - NIKE INTERNATIONAL LTD, et al
• [X] US 2012283055 A1 20121108 - BERGGREN SCOTT R [US], et al
• [X] US 2012277044 A1 20121101 - BERGGREN SCOTT R [US], et al
• See references of WO 2015099185A1

Designated contracting state (EPC)
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EP 3088053 A1 20161102; EP 3088053 A4 20170913; CN 105828891 A 20160803; JP WO2015099185 A1 20170323;
WO 2015099185 A1 20150702

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