

Title (en)
TRAINING BALL WITH LINE

Title (de)
TRAININGSBALL MIT SEIL

Title (fr)
BALLE D'ENTRAÎNEMENT AVEC CÂBLE

Publication
EP 3221016 A4 20180530 (EN)

Application
EP 15861502 A 20151120

Priority
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Abstract (en)
[origin: WO2016080845A1] Ball with line (20) for training purposes where the line (20) is rotatably attached to the ball in a special suspension, the suspension of the line being arranged in a particular cavity (14) arranged in a confined space between the ball's airtight bladder (13) and its outer layer (12). The cavity (14) typically has circular cross section and may include a centre member (21) to which the line is attached and an annular element (24) surrounding this, optionally comprising a battery for providing power to a sensor and optionally to a communication device.

IPC 8 full level
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Citation (search report)
• [XY] US 5611540 A 19970318 - WILLIAMS SEAN P [US], et al
• [X] DE 20213076 U1 20021114 - WANG WEN CHING [TW]
• [X] US 2653817 A 19530929 - TEBBETTS JR HERBERT EDWIN
• [X] EP 0219081 A2 19870422 - WALKER PETER
• [Y] WO 9810840 A2 19980319 - COTTIS JOSEPH SCOTT [US]
• [A] US 2941805 A 19600621 - CHUPA JOHN C
• [A] WO 9310864 A1 19930610 - I & K TRADING COMPANY [US]
• [A] US 5609411 A 19970311 - WANG WEN-CHING [TW]
• See references of WO 2016080845A1

Designated contracting state (EPC)
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