

Title (en)
DEVICE FOR STRENGTHENING THE LEG MUSCLES AND FOR INCREASING THE PUSHING POWER

Publication
EP 0159612 A3 19870520 (DE)

Application
EP 85104241 A 19850409

Priority
HU 164984 A 19840427

Abstract (en)
[origin: ES8605386A1] Training apparatus which can be used indoors to enable a footballer to improve his kicking strength, uses a frame (2) shaped to hold a football (12) resting on the floor. This is mounted at the free end of a horizontal tube (3) which retracts inside a structure (1) placed on the floor and which is returned by spring force when the ball is kicked. - The frame has a vertical front plate carrying a bearing bush (4) for the horizontal tube and a rear plate resting against a wall. Attached to the rear plate are resilient cables (7) passing around pulleys (10) attached to the front plate and connected to an anchorage at the inner end of the tube, to provide the spring force. Between the end anchorage and bearing bush is a helical spring (6).
[origin: ES8605386A1] Training apparatus which can be used indoors to enable a footballer to improve his kicking strength, uses a frame (2) shaped to hold a football (12) resting on the floor. This is mounted at the free end of a horizontal tube (3) which retracts inside a structure (1) placed on the floor and which is returned by spring force when the ball is kicked. - The frame has a vertical front plate carrying a bearing bush (4) for the horizontal tube and a rear plate resting against a wall. Attached to the rear plate are resilient cables (7) passing around pulleys (10) attached to the front plate and connected to an anchorage at the inner end of the tube, to provide the spring force. Between the end anchorage and bearing bush is a helical spring (6).

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IPC 8 full level
A63B 23/04 (2006.01); **A63B 69/00** (2006.01)

CPC (source: EP US)
A63B 69/0091 (2013.01 - EP US); **A63B 69/002** (2013.01 - EP US)

Citation (search report)
• [X] FR 2175813 A1 19731026 - STENGL ADALBERT [DE]
• [Y] US 3955815 A 19760511 - DESCHESNES GILLES
• [A] BE 479296 A 19480131
• [A] US 4307888 A 19811229 - OHLE ROBERT D
• [A] DE 3232323 A1 19840308 - KOEBLER JUERGEN

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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
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EP 85104241 A 19850409; CS 293485 A 19850422; DD 27563985 A 19850426; ES 542601 A 19850426; JP 8907285 A 19850426; US 72152085 A 19850409; YU 66285 A 19850419