

Title (en)
TRAINING APPLIANCE

Publication
EP 0218018 B1 19900926 (DE)

Application
EP 86109703 A 19860715

Priority
DE 3526144 A 19850722

Abstract (en)
[origin: EP0218018A1] 1. Training apparatus having a lever (3) which is attached to a swivelling shaft and, to produce a moment of reaction, is connected to the double-acting piston (5, 6) of a hydraulic cylinder (2), and having a channel (11), which has a restriction device (12) and connects the cylinder chambers (9, 10) separated by the piston (5, 6) and filled with fluid to one another, characterized in that the lever (3) is connected to the piston (5, 6) in such a way that an alternating rotary movement of the lever (3) is converted to a translational to and fro movement of the piston (5, 6), in that the swivelling shaft penetrates the cylinder (2) transversely and is mounted in opposite regions of the cylinder wall, and in that inside the cylinder (2) the swivelling shaft is connected to the piston (5, 6) by a mechanism (7, 8).

IPC 1-7
A63B 21/00; **A63B 23/04**

IPC 8 full level
A63B 21/00 (2006.01); **A63B 21/008** (2006.01); **A63B 23/04** (2006.01)

CPC (source: EP)
A63B 21/00076 (2013.01); **A63B 21/0083** (2013.01); **A63B 21/4047** (2015.10)

Cited by
EP0275956A3; EP1588742A1; DE102006024942B4; DE102006024942A1; WO8911824A1; WO03080189A1

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

DOCDB simple family (publication)
EP 0218018 A1 19870415; **EP 0218018 B1 19900926**; AT E56887 T1 19901015; DE 3526144 A1 19870129; DE 3526144 C2 19870716

DOCDB simple family (application)
EP 86109703 A 19860715; AT 86109703 T 19860715; DE 3526144 A 19850722