

Title (en)
Exercise apparatus

Title (de)
Trainingsgerät

Title (fr)
Appareil d'exercice

Publication
EP 0560073 B1 19960424 (DE)

Application
EP 93102187 A 19930212

Priority
DE 4207992 A 19920313

Abstract (en)
[origin: EP0560073A1] In an exercise apparatus, especially a bicycle ergometer, having a belt (16) guided to rotate over a belt pulley (15) which can preferably be braked by means of a generator, the idle strand of which belt, running down from the driveable, larger belt pulley (14) and on to the brakeable, smaller belt pulley (15), can be deflected inwards, relative to a tangential course, by means of a deflection roller (20) which is mounted to be freely rotatable, a high degree of accuracy and reliability can be achieved in that the belt (16) is designed as a flat belt having a running surface profile (17) which is toothed in cross-section and at least one belt pulley (15) has a corresponding circumferential profile (18), and in that the deflection roller (20), which can be influenced in the direction of deflection by means of at least one tension spring (21) having a low spring constant, can be moved with its axis along a deflection track whose distance from the working strand of the belt (16) approximately corresponds to the sum of the diameter of the brakeable belt pulley (15) and the radius of the deflection roller (20), plus the thickness of the belt. <IMAGE>

IPC 1-7
A63B 23/04; **F16H 7/02**

IPC 8 full level
A63B 22/08 (2006.01); **A63B 23/04** (2006.01); **F16H 7/02** (2006.01); **A63B 21/005** (2006.01)

CPC (source: EP)
A63B 22/0605 (2013.01); **A63B 21/0053** (2013.01)

Cited by
CN111513981A; CN108939411A

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0560073 A1 19930915; **EP 0560073 B1 19960424**; DE 4207992 A1 19930916; DE 4207992 C2 19940331; DE 59302311 D1 19960530

DOCDB simple family (application)
EP 93102187 A 19930212; DE 4207992 A 19920313; DE 59302311 T 19930212