

Title (en)
PARALLEL BARS FOR GYMNASTIC EXERCISING WITH A BRACING DEVICE

Publication
EP 0231846 A3 19900425 (DE)

Application
EP 87101017 A 19870124

Priority
DE 3603495 A 19860205

Abstract (en)
[origin: EP0231846A2] Parallel bars, in which two cable devices (5) are provided laterally, a balancing device (10) being provided between one end of one of the cable devices (5) and the floor (3). It is desirable for the number of devices to be actuated for a change in the bar spacing to be reduced considerably. This is achieved in that the balancing device is a tensile spring device (10) with a compression spring element (12) having a progressive spring characteristic. The progressive spring characteristic normally given in a compression spring element does not prove to be a hindrance since the gymnasts generally require an increasing bracing force as the bar spacing increases. <IMAGE>

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A63B 3/00

IPC 8 full level
F16F 7/00 (2006.01); **A63B 3/00** (2006.01); **A63B 71/02** (2006.01)

CPC (source: EP)
A63B 71/021 (2013.01); **A63B 3/00** (2013.01)

Citation (search report)
• [A] DE 1478057 A1 19690313 - REUTHER RICHARD
• [AD] DE 2238836 A1 19740228 - REUTHER RICHARD
• [A] DE 2049605 A1 19720413
• [A] WO 7900041 A1 19790208 - GYMNOVA [FR]

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FR2664821A1

Designated contracting state (EPC)
BE ES FR GB NL

DOCDB simple family (publication)
EP 0231846 A2 19870812; EP 0231846 A3 19900425; EP 0231846 B1 19920401; DE 3603495 A1 19870806; DE 3603495 C2 19960718; ES 2030004 T3 19921016; JP H0256900 B2 19901203; JP H0257944 B2 19901206; JP S62181068 A 19870808; JP S62258683 A 19871111

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