

Title (en)
TRAMPOLINE SUPPORT FRAME WITH BENDABLE SUPPORT LEGS

Title (de)
TRAMPOLINTRÄGERRAHMEN MIT BIEGBAREN STÜTZBEINEN

Title (fr)
CADRE DE SUPPORT DE TRAMPOLINE AVEC PIEDS DE SUPPORT PLIABLES

Publication
EP 3662977 B1 20210519 (EN)

Application
EP 18210968 A 20181207

Priority
EP 18210968 A 20181207

Abstract (en)
[origin: EP3662977A1] A trampoline support frame (100) with bendable support legs comprises a frame (10) and a plurality of support legs (20). The frame (10) comprises a plurality of support tubes (11), an in-frame space (13) and a plurality of connection posts (12). Each of the support legs (20) comprises a bridging member (21), an operating sleeve (22) sleeved on the bridging member (21), a spring (23) and a post foot (24) arranged in the operating sleeve (22), wherein the spring (23) is arranged in the operating sleeve (22). When each operating sleeve (22) is stressed to compress the corresponding spring (23) to be separated from the connection post (12), each of the support legs (20) moves by a pivoting stroke (80) which allows the support leg to be folded toward the in-frame space (13). Compared with the conventional trampoline support frame, the present invention has the following characteristic: the operating sleeve (22) is matched with the spring (23), and the spring (23) is not subjected to severe deformation during the implementation, so that the spring (23) is less prone to elastic fatigue. Further, the number of times the support legs (20) are stored is increased, and the consumer has the best experience in use.

IPC 8 full level
A63B 5/11 (2006.01)

CPC (source: EP)
A63B 5/11 (2013.01); **A63B 2208/12** (2013.01); **A63B 2210/50** (2013.01)

Cited by
CN113262424A; WO2024133508A1; DE102022134550B3

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3662977 A1 20200610; EP 3662977 B1 20210519

DOCDB simple family (application)
EP 18210968 A 20181207