

Title (en)

Kinematic system of the machine for treating, rehabilitating and sports training of the spine and thorax muscles of the human body

Title (de)

Kinematisches System einer Maschine für Behandlung, Rehabilitation und Sporttraining der Wirbelsäule und Thoraxmuskeln des menschlichen Körpers

Title (fr)

Système cinématique de machine de traitement, réhabilitation et entraînement de la colonne vertébrale et des muscles du thorax du corps humain

Publication

EP 2803388 A1 20141119 (EN)

Application

EP 13461531 A 20130513

Priority

EP 13461531 A 20130513

Abstract (en)

Kinematic system for treating, rehabilitating and sports training of the spine and thorax muscles of the human body is equipped with a rotary seat (5), which is connected with the rotary arm(s) (4) by the means of a backward mechanism (2). Said backward unit comprises two rotary backward elements (15, 15a, 15b, and 17, 17a, 17b) connected with the elements of transmission (16, 16a, 16b, 16c, 16d). Additionally along the axis at the top of the mechanism there is a off-load frame (8) used for suspending the user of this mechanism.

IPC 8 full level

A63B 21/00 (2006.01); **A61H 1/02** (2006.01); **A63B 22/00** (2006.01); **A63B 22/14** (2006.01); **A63B 23/02** (2006.01); **A63B 69/00** (2006.01)

CPC (source: EP)

A61H 1/0229 (2013.01); **A61H 1/0292** (2013.01); **A63B 22/0087** (2013.01); **A63B 22/14** (2013.01); **A63B 23/0238** (2013.01); **A63B 69/0064** (2013.01); **A61H 2001/0203** (2013.01); **A61H 2201/1269** (2013.01); **A61H 2201/1633** (2013.01); **A61H 2201/1635** (2013.01); **A61H 2201/1642** (2013.01); **A61H 2201/1652** (2013.01); **A61H 2201/1671** (2013.01); **A63B 2023/003** (2013.01); **A63B 2023/006** (2013.01); **A63B 2208/0233** (2013.01); **A63B 2225/09** (2013.01)

Citation (applicant)

- PL 391612 A1 20120102 - RAŻNIEWSKI RADOSŁAW [PL]
- ES 2025407 A6 19920316 - SASTRE FERNANDEZ SANTOS [ES]
- PL 173405 B1 19980331 - MDP INVENTION [YU]
- CN 101947175 A 20110119 - FUMAO GAO
- JP 2001212163 A 20010712

Citation (search report)

- [Y] WO 2012098506 A1 20120726 - KINETIC MEDICUS LTD [IL], et al
- [Y] US 2012040812 A1 20120216 - LIAO LAI SHU-CHIUNG [TW]
- [Y] DE 202011102658 U1 20111129 - PREVENTIVE MEDICAL HEALTH CARE CO [TW]
- [Y] WO 2012115738 A1 20120830 - GENETIC POTENTIAL INC [US], et al
- [A] US 4385761 A 19830531 - RICE MAX [US]

Cited by

CN105999635A; CN110314335A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2803388 A1 20141119

DOCDB simple family (application)

EP 13461531 A 20130513