

Title (en)
CHARGING APPARATUS FOR PHYSIOLOGICAL TESTS

Publication
EP 0058718 B1 19860618 (DE)

Application
EP 81902665 A 19810828

Priority
HU 213180 A 19800829

Abstract (en)
[origin: WO8200769A1] The charging apparatus comprises a central motor shaft with pedals (5) driving through a free wheel a full wheel (21) comprising an inner toothing coupled appropriately to three driving wheels. These driving wheels drive by means of their toothing an inner shaft (10) which is arranged around the motor shaft. On the inner shaft there is arranged the rotor of a rotary electric motor surrounded by an armature (4) comprising a polyphased winding. The armature (4) is arranged between an inner portion and an outer portion of a frame. The windings of the rotor receive the energization current through a collector ring; the windings of the armature are adjoining a braking assembly.

IPC 1-7
A63B 23/00; **A63B 69/16**

IPC 8 full level
A61B 5/22 (2006.01); **A63B 21/005** (2006.01); **A63B 22/06** (2006.01); **A63B 69/16** (2006.01); **A63B 21/22** (2006.01); **A63B 22/08** (2006.01)

CPC (source: EP US)
A63B 21/0053 (2013.01 - EP US); **A63B 22/0605** (2013.01 - EP US); **A63B 21/225** (2013.01 - EP US); **A63B 2022/0647** (2013.01 - EP US); **Y10S 482/903** (2013.01 - EP US); **Y10T 74/2164** (2015.01 - EP US)

Cited by
US4954759A; US4713567A; CN111050864A

Designated contracting state (EPC)
AT DE FR

DOCDB simple family (publication)
WO 8200769 A1 19820318; AU 548356 B2 19851205; AU 7582381 A 19820331; BR 8108762 A 19820706; DK 191082 A 19820428; EP 0058718 A1 19820901; EP 0058718 A4 19840209; EP 0058718 B1 19860618; FI 73136 B 19870529; FI 73136 C 19870910; FI 821053 A0 19820325; FI 821053 L 19820325; HU 180604 B 19830328; JP S57501514 A 19820826; NO 821410 L 19820428; SU 1271361 A3 19861115; US 4452445 A 19840605

DOCDB simple family (application)
HU 8100034 W 19810828; AU 7582381 A 19810828; BR 8108762 A 19810828; DK 191082 A 19820428; EP 81902665 A 19810828; FI 821053 A 19820325; HU 213180 A 19800829; JP 50296581 A 19810828; NO 821410 A 19820428; SU 3439701 A 19820427; US 37130182 A 19820412