

Title (en)
EXTERNAL COUNTER PULSATION APPARATUS

Title (de)
EXTERNES GEGENPULSATIONSGERÄT

Title (fr)
APPAREIL DE CONTREPULSATION EXTERNE

Publication
EP 1435892 A2 20040714 (EN)

Application
EP 02775893 A 20020920

Priority
• CN 01253791 U 20010920
• US 0229871 W 20020920

Abstract (en)
[origin: WO03024315A2] The present invention relates to an external counter pulsation apparatus that provides an improved treatment results while having a reduced energy consumption, noise, and/or heat during operation and/or increased mobility. The counter pulsation apparatus can have a pump member for producing a fluid medium and a valve member for selectively allowing the fluid medium to inflate and deflate a fluid pouch adapted to be mounted onto a body portion of the patient. A control device can be provided to control the inflation and deflation of the valve member in accordance with a physical signal of a patient. An output variation device can be provided to vary the fluid medium output from the pump member to maintain the fluid medium pressure at a predetermined value. Additionally or alternatively, one or more of the pump member, the valve member, the control device, and the output variation device can be movable to the patient's location to carry out the counter pulsation treatment. A carrier member can be provided to facilitate the transportation of one or more of the control device, the pump member, the valve member, and the output variation device.

IPC 1-7
A61H 7/00

IPC 8 full level
A61H 23/04 (2006.01); **A61H 7/00** (2006.01); **A61H 31/00** (2006.01); **F04B 23/00** (2006.01); **F04B 39/00** (2006.01); **A61B 5/0205** (2006.01); **A61B 5/024** (2006.01); **A61B 5/0402** (2006.01)

IPC 8 main group level
A61B (2006.01)

CPC (source: EP US)
A61B 5/33 (2021.01 - EP US); **A61H 9/0078** (2013.01 - EP US); **A61H 31/005** (2013.01 - EP US); **A61H 31/006** (2013.01 - EP US); **A61H 31/008** (2013.01 - EP US); **A61B 5/0205** (2013.01 - EP US); **A61B 5/024** (2013.01 - EP US); **A61B 5/318** (2021.01 - EP US); **A61H 2201/0103** (2013.01 - EP US); **A61H 2201/1238** (2013.01 - EP US); **A61H 2201/165** (2013.01 - EP US); **A61H 2201/5007** (2013.01 - EP US); **A61H 2230/04** (2013.01 - EP US); **A61H 2230/08** (2013.01 - EP US); **A61M 2209/082** (2013.01 - EP US); **A61M 2209/084** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03024315 A2 20030327; **WO 03024315 A3 20031030**; AU 2002341744 A1 20030401; CA 2460165 A1 20030327; CN 2536221 Y 20030219; EP 1435892 A2 20040714; EP 1435892 A4 20080305; US 2005111996 A1 20050526

DOCDB simple family (application)
US 0229871 W 20020920; AU 2002341744 A 20020920; CA 2460165 A 20020920; CN 01253791 U 20010920; EP 02775893 A 20020920; US 479004 A 20041203