

Title (en)

DEVICE FOR TREATING PERIPHERAL CIRCULATORY DISORDERS AND CLOSING DEVICE FOR A TREATMENT CYLINDER THEREOF

Title (de)

GERÄT ZUR BEHANDLUNG VON PERIPHEREN KREISLAUFSTÖRUNGEN UND VERSCHLUSSVORRICHTUNG FÜR DESSEN BEHANDLUNGSZYLINDER

Title (fr)

APPAREIL POUR TRAITER LES TROUBLES CIRCULATOIRES PERIPHERIQUES ET SYSTEME DE FERMETURE POUR SON CYLINDRE DE TRAITEMENT

Publication

EP 1030640 A1 20000830 (DE)

Application

EP 98950266 A 19981111

Priority

- CH 261897 A 19971113
- IB 9801795 W 19981111

Abstract (en)

[origin: WO9925305A1] The device relates to a treatment cylinder (1) in which one extremity (E) that is to be treated for a peripheral circulatory disorder is placed and subjected to hyper and hypobar phases. Said treatment cylinder has one end (B) which is hermetically closed and supports a sleeve (C) on the other end (A). Said sleeve consists of a thick-walled rubber disk (4) with flat sides that are covered by thin-walled, highly elastic rubber membranes (6). The rubber disk and membranes are provided with openings (5, 8, 9), whereby the diameters of the openings (8,9) of the rubber membranes (6,7) are smaller than the diameters of the opening (5) of the rubber disk (4). When the pressure changes in the treatment cylinder (1), the rubber membranes (6,7) adapt to the form of the extremity to be treated (E) to create a sleeve effect and close the end of treatment cylinder (1) in such a way that the intensity of the pressure variation can be achieved and kept constant during a specific time period without having to inflate the sleeve (C). This solution prevents the venous return to the heart from becoming blocked for the entire duration of treatment.

IPC 1-7

A61H 9/00

IPC 8 full level

A61H 7/00 (2006.01); **A61H 9/00** (2006.01)

CPC (source: EP US)

A61H 9/005 (2013.01 - EP US); **A61H 9/0007** (2013.01 - EP US); **A61H 2205/10** (2013.01 - EP US)

Citation (search report)

See references of WO 9925305A1

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