

Title (en)

METHOD FOR MAKING A MEDICAL IMPLANT WITH OPEN-WORK STRUCTURE AND IMPLANT OBTAINED BY SAID METHOD

Title (de)

MEDIZINISCHES IMPLANTAT MIT EINER DURCHLOCHTEN STRUKTUR UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

PROCEDE DE FABRICATION D UN IMPLANT MEDICAL A STRUCTURE AJOU REE ET IMPLANT OBTENU PAR CE PROCEDE

Publication

EP 1562515 A1 20050817 (FR)

Application

EP 03767908 A 20031105

Priority

- FR 0303296 W 20031105
- FR 0214522 A 20021120

Abstract (en)

[origin: FR2847155A1] The tubular implant manufacturing procedure uses a single metal wire (11), 0.15 - 0.5 mm in diameter, of an alloy with a shape memory effect, especially a nickel-titanium alloy such as nitinol, wound in interlaced spirals over a perforated cylindrical template (1) with end pegs (3) for loops (12). The completed implant is deformed into the required shape and then treated to stabilize it in that position. The deformation can be to reduce or increase the implant's diameter for use as a stent, or to create a more or less flat collar for an implant used to plug a hole in a body wall.

IPC 1-7

A61F 2/06

IPC 8 full level

A61B 17/00 (2006.01); **A61F 2/06** (2006.01); **A61F 2/90** (2006.01); **A61F 2/00** (2006.01); **A61F 2/07** (2013.01)

CPC (source: EP US)

A61B 17/0057 (2013.01 - EP US); **A61F 2/90** (2013.01 - EP US); **D04C 1/06** (2013.01 - EP); **D04C 3/48** (2013.01 - EP); **A61B 2017/00526** (2013.01 - EP US); **A61B 2017/00659** (2013.01 - EP US); **A61B 2017/00867** (2013.01 - EP US); **A61F 2002/0068** (2013.01 - EP US); **A61F 2002/075** (2013.01 - EP US); **A61F 2230/0078** (2013.01 - EP US); **A61F 2230/008** (2013.01 - EP US); **A61F 2250/0039** (2013.01 - EP US); **D10B 2509/08** (2013.01 - EP); **Y10T 29/49838** (2015.01 - EP US)

Citation (search report)

See references of WO 2004047681A1

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