

Title (en)

A POPULATION OF INTRALUMINAL PROSTHESES HAVING UNIFORM CHARACTERISTICS AND A PROCESS FOR MAKING THE SAME

Title (de)

KLASSE VON INTRALUMINALEN PROTHESEN MIT GLEICHEN KARAKTERISTIKEN SOWIE VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

FAMILLE DE PROTHESES INTRALUMINALES POSSEDANT DES CARACTERISTIQUES UNIFORMES ET PROCEDE DE FABRICATION ANODE

Publication

**EP 0928169 A4 20010328 (EN)**

Application

**EP 97930209 A 19970623**

Priority

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- US 2096396 P 19960625

Abstract (en)

[origin: WO9749353A1] This invention is a population of radially expandable stents (14) having substantially uniform characteristics and a method for producing a population of stents with predetermined, uniform thermal and mechanical properties. The process includes deforming the stents into a hollow tube having a desired diameter, and heating the stents sufficiently to homogenize the microstructure of the alloy, thereby increasing stents' ductility to about 40 %-50 % strain. After heating, the stents are shape-set at a desired diameter at an Af temperature below body temperature. The high ductility and homogenized microstructure increases the fatigue life and improves the uniformity of the population of stents. In addition, the method of the present invention allows the Af temperature to be shifted up or down during processing, providing more precise control of the final Af temperature.

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Citation (search report)

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- [X] US 5507771 A 19960416 - GIANTURCO CESARE [US]
- See references of WO 9749353A1

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