

Title (en)

MEDICAL DEVICE, IN PARTICULAR A STENT

Title (de)

MEDIZINISCHE VORRICHTUNG, INSBESONDERE STENT

Title (fr)

DISPOSITIF MÉDICAL, EN PARTICULIER STENT

Publication

EP 3876875 A1 20210915 (DE)

Application

EP 19829436 A 20191211

Priority

- DE 102018133285 A 20181221
- EP 2019084561 W 20191211

Abstract (en)

[origin: WO2020126721A1] The invention relates to a medical device, in particular a stent, having a radially self-expandable lattice structure (10) which is tubular at least in some sections and which is made of a single wire (11), which is interwoven with itself and which comprises a core material (11a) which is visible under X-ray and a superelastic jacket material (11b) and forms meshes (12) of the lattice structure (10). The invention is characterised in that a plurality of meshes (12) arranged directly adjacently in the circumferential direction of the lattice structure (10) form a mesh ring (13), and the lattice structure (10), in a fully self-expanded state, has an expansion diameter D_{exp} , the mesh ring (13) having a mesh number n , and the core material (11a) having a core diameter d_{Kern} , and the following being true for the core diameter d_{Kern} : $d_{Kern} = f \cdot (D_{exp} / n)$, with the following being true for a visibility factor f : $0.05 \leq f \leq 0.08$.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020126721A1

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