

Title (en)

LOW-PROFILE, NON-STENTED PROSTHESIS FOR TRANSLUMINAL IMPLANTATION

Title (de)

MIT EINEM NIEDRIGEN QUERSCHNITT VERSEHENE, NICHT VERSTÄRKTE PROTHESE ZUR TRANSLUMINALEN IMPLANTATION

Title (fr)

PROTHESE NON RENFORCEE A PROFIL REDUIT POUR IMPLANTATION TRANSLUMINALE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0128453A2] An implantable prosthesis for placement in hollow tubular organs is described alongwith an instrument for deploying the said prosthesis. On radial compaction, the prosthesis has a low profile, allowing introduction into the body with a deployment instrument of low calibre. The prosthesis has a longitudinal strut to provide longitudinal support. One or more, outwardly biased, flexible curvilinear members with good shape-memory, symmetrically attached to the leading end of the prosthesis help unroll the prosthesis during deployment. Magnetised wires or powder may be attached to the prosthesis to facilitate this process and provide in addition radial elasticity to the prosthesis. The prosthesis may have tubular extensions to allow the treating lesions that involve the parent tubular organ and its branches. Alternatively, the prosthesis may be provided with apertures which can be widened in vivo. For implantation in branches, the prosthesis may be provided with a flange at its trailing end.

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IPC 8 full level

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CPC (source: EP)

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