

Title (en)
RADIOFREQUENCY ABLATION CATHETER DEVICE

Title (de)
KATHETERVORRICHTUNG ZUR ABLATION MITTELS HOCHFREQUENZ

Title (fr)
CATHÉTER D'ABLATION PAR RADIOFRÉQUENCE

Publication
EP 2706938 A4 20141126 (EN)

Application
EP 12800580 A 20120615

Priority
• US 201161497366 P 20110615
• US 2012042664 W 20120615

Abstract (en)
[origin: WO2012174375A1] A radiofrequency ablation catheter device has a balloon catheter that may be expanded at some portions along its length through inflation. The catheter may have one or more differently compliant sections along its length, or may have a generally noncompliant body with one or more separate compliant portions overlying it, which compliant sections/portions may be separately inflated. One section of the catheter is expanded into a disk-like configuration with a circular, somewhat planar surface that is oriented orthogonally to the direction of the guide wire and facing in a distal direction. The catheter bears one or more RF electrodes that are capable of conducting RF energy and may be positioned on the surface of the balloon catheter such that they take a circular configuration on the planar surface. The unexpanded balloon catheter is advanced longitudinally through the blood vessel to the relevant location within the body lumen, inflated and pushed distally. To contact the inner surface of the lumen such that the electrodes ablate the nerve activity circumferentially at the desired location, such as around the renal artery ostium of the aorta, to ablate the nerve activity that leads specifically to the kidney.

IPC 8 full level
A61B 18/14 (2006.01)

CPC (source: EP)
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Citation (search report)
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Designated contracting state (EPC)
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