

Title (en)  
APPARATUS AND METHOD FOR INHIBITING RESTENOSIS BY APPLYING ULTRASOUND ENERGY TOGETHER WITH DRUGS

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR VORBEUGUNG VON RESTENOSE DURCH BEHANDLUNG MITTELS ULTRASCHALLENGIE IN KOMBINATION MIT MEDIKAMENTEN

Title (fr)  
APPAREIL ET PROCEDE D'INHIBITION DE RESTENOSE PAR APPLICATION D'ENERGIE ULTRASONORE EN COMBINAISON AVEC DES MEDICAMENTS

Publication  
**EP 1054633 A1 20001129 (EN)**

Application  
**EP 99904565 A 19990203**

Priority

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Abstract (en)  
[origin: WO9939647A1] A system and method for inhibiting restenosis by compromising the migration, viability and adhesion of mammalian smooth muscle cells (SMC). The system includes an ultrasonic energy source; a transmitter for transmitting the ultrasonic energy to the SMC and a drug delivery spectrum for delivering drugs to the smooth muscles cells. This system and method is especially useful in the prevention of restenosis in a blood vessel of a mammal associated with the migration of SMC in the blood vessel following vascular intervention, such as angioplasty.

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**A61B 17/22**

IPC 8 full level  
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