

Title (en)  
A DEVICE FOR THERAPEUTIC TREATMENT OF A BLOOD VESSEL

Title (de)  
VORRICHTUNG ZUR THERAPEUTISCHEN BEHANDLUNG VON BLUTGEFÄßEN

Title (fr)  
DISPOSITIF DE TRAITEMENT THERAPEUTIQUE D'UN VAISSEAU SANGUIN

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Application  
**EP 99933454 A 19990716**

Priority  
SE 9901281 W 19990716

Abstract (en)  
[origin: WO0105332A1] A device comprises a radially expandable stent (13) to be inserted into a blood vessel (10) in a human or animal body to be left therein as an inside lining. The stent is of such nature that it is brought to vibrate and/or develop heat when exposed to ultrasound. A balloon catheter is provided for insertion of the stent into the blood vessel and expansion thereof to engagement with the inside surface of the blood vessel. The device also comprises a generator (14) for emitting therapeutic ultrasound for wireless transmission of energy from an extra-corporeal position to the stent at the site thereof in the blood vessel. According to the invention the device comprises position marker means (22) in said stent, and an ultrasound camera (17) for determining, by the emission of diagnostic ultrasound and the reception of diagnostic ultrasound reflected by the marker means, the site of the stent in the body.

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