

Title (en)  
ULTRASONIC PROBE CAPABLE OF BENDING WITH AID OF A BALLOON

Title (de)  
MITHILFE EINES BALLONS BIEGBARE ULTRASCHALLSONDE

Title (fr)  
SONDE ECHOGRAPHIQUE POUVANT SE PLIER A L'AIDE D'UN BALLONNET

Publication  
**EP 1744813 A4 20090225 (EN)**

Application  
**EP 04752362 A 20040514**

Priority  
US 2004015332 W 20040514

Abstract (en)  
[origin: WO2005115545A1] An ultrasonic medical device (11) includes a balloon catheter (36) having at least one engaging mechanism (66, 67), a balloon (41) that is supported by the balloon catheter (36), an inflation lumen (85) located along a longitudinal axis of the balloon catheter (36) and an ultrasonic probe (15) located along an outside surface of the balloon catheter (36) wherein the ultrasonic probe (15) engages an outer surface (53) of the balloon (41).

IPC 8 full level  
**A61N 7/00** (2006.01); **A61B 17/22** (2006.01)

CPC (source: EP)  
**A61B 17/22012** (2013.01); **A61B 2017/22014** (2013.01); **A61B 2017/22061** (2013.01); **A61B 2017/22071** (2013.01)

Citation (search report)  
• [XA] US 4924863 A 19900515 - STERZER FRED [US]  
• [X] JP 2000232981 A 20000829 - OLYMPUS OPTICAL CO  
• [X] WO 9922644 A1 19990514 - BARZELL WHITMORE MAROON BELLS [US]  
• See references of WO 2005115545A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005115545 A1 20051208**; EP 1744813 A1 20070124; EP 1744813 A4 20090225; JP 2007536986 A 20071220

DOCDB simple family (application)  
**US 2004015332 W 20040514**; EP 04752362 A 20040514; JP 2007513110 A 20040514