

Title (en)  
OBTURATOR TIP

Title (de)  
OBTURATOR-SPITZE

Title (fr)  
POINTE D'OBTURATEUR

Publication  
**EP 1648315 A4 20101215 (EN)**

Application  
**EP 04717484 A 20040304**

Priority  

- US 2004006869 W 20040304
- US 63267103 A 20030801
- US 64667503 A 20030822

Abstract (en)  
[origin: WO2005016415A2] A trocar is disclosed which includes a housing assembly and a cannula assembly attached to the housing assembly to define an axial bore therethrough. The trocar further includes an obturator which slidably engages the axial bore defined by the cannula assembly. The obturator includes a shaft having a piercing end for insertion into a patient and a handling end for gripping by a surgeon. Attached to the piercing end of the shaft is a piercing tip having an upper face and a lower face which taper away from the shaft to form a non-conical, blunt head. The piercing tip further includes wing elements located on opposite sides of the piercing tip between the upper and lower faces. Each wing element of the invention having one or more sloped surfaces designed to separate tissue.

IPC 8 full level  
**A61B 17/34** (2006.01)

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**A61B 17/3417** (2013.01); **A61B 2017/3456** (2013.01); **A61B 2017/346** (2013.01); **A61B 2090/08021** (2016.02)

Citation (search report)  

- [Y] WO 03045260 A1 20030605 - NEOSURG TECHNOLOGIES [US]
- [Y] EP 0724864 A1 19960807 - ETHICON ENDO SURGERY INC [US]
- [Y] WO 0048649 A1 20000824 - YOON INBAE [US]
- [X] US 2002133188 A1 20020919 - O'HEERON PETER T [US], et al
- See references of WO 2005016415A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2005016415 A2 20050224; WO 2005016415 A3 20051027**; EP 1648315 A2 20060426; EP 1648315 A4 20101215

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