

Title (en)  
RESECTOR BALLOON SYSTEM

Title (de)  
RESEKTORBALLONSYSTEM

Title (fr)  
SYSTÈME À BALLONNET DE RÉSECTION

Publication  
**EP 2569045 A1 20130320 (EN)**

Application  
**EP 10851511 A 20100513**

Priority  
US 2010034689 W 20100513

Abstract (en)  
[origin: WO2011142758A1] A resector balloon system is disclosed generally comprising a catheter with at least one balloon having an outer wall with a resecting, non-slip surface for resecting unwanted biological material, such as tissues or tumors, and a pump that supplies fluid thereto in pulsed fashion to repeatedly deflate and inflate said balloon. In certain embodiments, the pump includes a processor that controls the pulsed supply of fluid based on an established frequency or change in volume. In some embodiments, the system includes a keyed connector with which the pump identifies the balloon type, and in some cases, the system calculates intra-lumen diameters and densities. In some embodiments, the balloon portion of the catheter includes multiple balloon segments, which in some cases, are inflatable separately from one another.

IPC 8 full level  
**A61F 2/958** (2013.01); **A61M 25/10** (2013.01); **A61B 17/3207** (2006.01); **A61B 18/00** (2006.01); **A61B 18/02** (2006.01); **A61B 90/00** (2016.01)

CPC (source: EP US)  
**A61M 25/10181** (2013.11 - US); **A61M 25/10184** (2013.11 - EP US); **A61M 25/10185** (2013.11 - US); **A61B 17/320725** (2013.01 - EP); **A61B 90/90** (2016.02 - EP); **A61B 2018/00863** (2013.01 - EP); **A61B 2018/0212** (2013.01 - EP); **A61B 2090/064** (2016.02 - EP); **A61M 25/1011** (2013.01 - EP); **A61M 2025/1052** (2013.01 - EP); **A61M 2025/1072** (2013.01 - EP); **A61M 2025/109** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011142758 A1 20111117**; AU 2010352872 A1 20121122; AU 2010352872 B2 20140123; CA 2797861 A1 20111117;  
CA 2797861 C 20150224; CN 102892456 A 20130123; CN 102892456 B 20160113; EP 2569045 A1 20130320; EP 2569045 A4 20170510

DOCDB simple family (application)  
**US 2010034689 W 20100513**; AU 2010352872 A 20100513; CA 2797861 A 20100513; CN 201080066769 A 20100513;  
EP 10851511 A 20100513