

Title (en)  
METHODS AND SYSTEMS FOR SEGMENTAL LUNG DIAGNOSTICS

Title (de)  
VERFAHREN UND SYSTEM FÜR SEGMENTWEISE LUNGENDIAGNOSTIK

Title (fr)  
PROCEDES ET SYSTEMES DE DIAGNOSTIC SEGMENTAIRE DES POUMONS

Publication  
**EP 1901653 A4 20091230 (EN)**

Application  
**EP 06787391 A 20060713**

Priority

- US 2006027478 W 20060713
- US 69928905 P 20050713
- US 29695105 A 20051207

Abstract (en)  
[origin: WO2007009086A2] Minimally invasive systems and methods are provided for diagnosing conditions in target lung compartments. Using catheters capable of isolating the target lung compartments and measuring one or more of collateral ventilation, pressure, flow rate, and volume, conditions such as hyperinflation, compliance, gas exchange including oxygen uptake, directionality of collateral channels, blood flow, and blood flow per unit lung volume may be assessed.

IPC 8 full level  
**A61B 5/08** (2006.01)

CPC (source: EP)  
**A61B 5/0813** (2013.01); **A61B 5/085** (2013.01); **A61B 5/087** (2013.01); **A61B 5/093** (2013.01)

Citation (search report)

- [A] WO 03022221 A2 20030320 - PULMONX [US]
- [A] MORRELL N W ET AL: "Collateral ventilation and gas exchange during airway occlusion in the normal human lung", THE AMERICAN REVIEW OF RESPIRATORY DISEASE, AMERICAN THORACIC SOCIETY, US, vol. 147, no. 3, 1 January 1993 (1993-01-01), pages 535 - 539, XP008114173, ISSN: 0003-0805
- See references of WO 2007009086A2

Designated contracting state (EPC)  
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**US 2006027478 W 20060713**; EP 06787391 A 20060713; JP 2008521660 A 20060713