

Title (en)  
VENTILATION IMAGING USING A FINE PARTICLE AEROSOL GENERATOR

Title (de)  
LÜFTUNGSBILDERZEUGUNG MIT HILFE EINES FEINPARTIKEL AEROSOLGENERATORS

Title (fr)  
IMAGERIE DE VENTILATION AU MOYEN D'UN GENERATEUR D'AEROSOL A FINES PARTICULES

Publication  
**EP 0955885 A1 19991117 (EN)**

Application  
**EP 97906502 A 19970204**

Priority  

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- US 78955197 A 19970127

Abstract (en)  
[origin: WO9727804A1] A method of diagnosing a patient is carried out by delivering an aerosolized dose of a radioactive formulation to a patient and making a ventilation image of radioactive material deposited in the lung. Devices and methodology for creating aerosols are provided which allow for efficient and repeatable delivery of radio-aerosols to the lungs of a patient. The device is loaded with a container (1) of a radioactive formulation (5). Actuation of the device forces the radioactive formulation (5) through a porous membrane (3) of the container which membrane has pores having a diameter in the range of about 0.25 microns to 6.0 microns. The container includes radioactive shielding (84) in the form of a lead coating and/or a lead surrounding packet. The porous membrane (3) is positioned in alignment with a surface of a channel (6) through which a patient inhales air.

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**A61B 6/00**

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