



NON-INVASIVE DEVICE AND METHOD FOR THE DIAGNOSIS OF PULMONARY VASCULAR OCCLUSIONS

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Abstract:

The invention involves a device and method for ascertaining the functioning of the respiratory system and determining whether a pulmonary embolism is present. The device comprises an apparatus containing sensors which measure the amount of a particular gas expired from a patient's lungs, including a non-ambient gas which is previously provided to the patient. From this data, a processor computes the concentration of expired gas as a function of expired volume and displays the results on a screen. By comparing the results to predetermined values from afflicted and healthy patient populations, an accurate determination can be made regarding the presence of a pulmonary embolism.

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