SYSTEM AND METHOD FOR DETECTING OF PULMONARY DISEASES

ABSTRACT

The present invention provides non-invasive systems and methods for detecting of pulmonary diseases by analyzing inhalation and exhalation. In one aspect, the present invention provides a pulmonary disease detection system for detecting breathing deficiencies of a test person. The pulmonary disease detection system comprises a breath analyser for analysing the inhale and exhale airs of the test person, a computer processor for receiving from the breath analyser the information and processing the received analysis data to give values to different parameters of the inhale and exhale airs of the test person, and a medical database for storing different parameters of breaths of the public and normal ranges for healthy persons. In another aspect, the present invention provides a method of detecting a pulmonary disease of a test person by investigating the breath deficiencies of the test person. The method comprises acquiring the information of inhale and exhale airs of the test person, processing the acquired information to give values of designated aspects of the inhale and exhale airs of the test person, and comparing the calculated values with the ones stored in a medical database so as to conclude whether the test person is suffering any pulmonary diseases.

FIG 1