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## (54) Title of the invention: SYSTEM AND METHOD FOR DETECTION OF PARKINSON DISEASE

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## (57) Abstract:

The disclosed embodiments illustrate system (100) and method (300) for detection of neurodegenerative diseases such as Parkinson disease in a person. The system (100) includes electronic devices (102) adapted to be worn or attached to various parts of body of the person to detect biomarkers. Thereafter collected biomarkers are analysed to extract concentration of one or more volatile organic compounds (VOC), and extracted concentration of the VOC is analysed to determine whether the person is having symptoms of at least one of the neurodegenerative disease. The proposed system enables the person to get treatment on time and to avoid high risk of Parkinson's disease progression by detection of the disease at early stage.

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