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(54) Title: SPEAKER EMBEDDINGS FOR PARKINSON'S DISEASE ON/OFF CLASSIFICATION

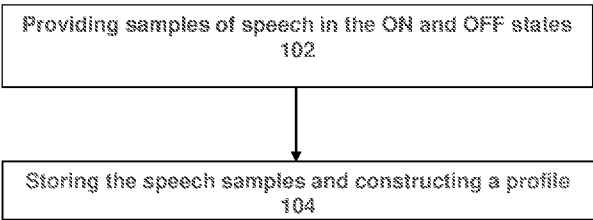


FIG. 1

(57) Abstract: A method is provided for classifying speaker embeddings for a user having Parkinson's disease. The method comprises, after enrolling data with speech samples in an ON state and in an OFF state, constructing a profile of the user in an auxiliary model, monitoring a state of the user and receiving a test signal of the user, extracting embeddings from a test signal, and eventually, classifying the recognition signal as an ON state or an OFF state.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC - INV. G10L 15/14; G10L 15/01; G10L 15/02; G10L 25/66; G16H 10/60; G16H 50/50; G16H 70/40 (2024.01)

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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History document

Electronic database consulted during the international search (name of database and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2018/0206775 A1 (THE JOHNS HOPKINS UNIVERSITY) 26 July 2018; para [0042-0105]	1-2, 4, 7-12 --- 3, 5-6
Y	US 2020/0365275 A1 (CAMBRIDGE COGNITION LIMITED) 19 November 2020; para [0066-0068], [0082], [0172-0174]	3
Y	US 2021/0166797 A1 (KPN INNOVATIONS LLC) 03 June 2021; para [0073], [0081], [0084-0085]	5-6



Further documents are listed in the continuation of Box C.



See patent family annex.

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