Title (en)

SPEECH RECOGNITION METHOD AND APPARATUS IN ENVIRONMENT INCLUDING PLURALITY OF APPARATUSES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SPRACHERKENNUNG IN EINER UMGEBUNG MIT MEHREREN GERÄTEN

Title (fr)

PROCÉDÉ ET APPAREIL DE RECONNAISSANCE VOCALE DANS UN ENVIRONNEMENT COMPRENANT UNE PLURALITÉ D'APPAREILS

Publication

EP 3797414 A4 20210825 (EN)

Application

EP 19874900 A 20191022

Priority

- KR 20180127696 A 20181024
- KR 20190110772 A 20190906
- KR 2019013903 W 20191022

Abstract (en)

[origin: KR20200047311A] The present disclosure relates to an artificial intelligence (AI) system utilizing a machine learning algorithm such as deep learning and an application thereof. A method for performing voice recognition by voice recognition devices in space with the multiple voice recognition devices may comprise the steps of: extracting a voice signal of a speaker from an input audio signal; obtaining a first speaker recognition score representing similarity of the voice signal and a voice signal of a registered speaker; and outputting a voice recognition result for the voice signal based on a second speaker recognition score and a first speaker recognition score obtained by another voice recognition device among the multiple voice recognition devices.

IPC 8 full level

G06F 3/16 (2006.01); **G10L 15/22** (2006.01); **G10L 17/00** (2013.01); G10L 15/32 (2013.01)

CPC (source: EP KR)

G06F 3/167 (2013.01 - EP); **G10L 15/22** (2013.01 - EP); **G10L 17/00** (2013.01 - EP); **G10L 17/02** (2013.01 - KR); **G10L 17/08** (2013.01 - KR); **G10L 17/12** (2013.01 - KR); G10L 15/32 (2013.01 - EP); G10L 2015/221 (2013.01 - KR)

Citation (search report)

- [XI] US 2018182397 A1 20180628 - CARBUNE VICTOR [CH], et al
- [A] US 2017076720 A1 20170316 - GOPALAN RAMYA [US], et al
- [A] US 2013073293 A1 20130321 - JANG SEOKBOK [KR], et al
- [A] WO 2018067528 A1 20180412 - GOOGLE LLC [US]
- [A] QIN JIN ET AL: "Far-Field Speaker Recognition", ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 2006. ICASSP 2006 PROCEEDINGS . 2006 IEEE INTERNATIONAL CONFERENCE ON TOULOUSE, FRANCE 14-19 MAY 2006, PISCATAWAY, NJ, USA,IEEE, PISCATAWAY, NJ, USA, 14 May 2006 (2006-05-14), pages I, XP031330964, ISBN: 978-1-4244-0469-8, DOI: 10.1109/ICASSP.2006.1660176
- See references of WO 2020085769A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

CN 112639965 A 20210409; EP 3797414 A1 20210331; EP 3797414 A4 20210825; KR 20200047311 A 20200507

DOCDB simple family (application)

CN 201980055917 A 20191022; EP 19874900 A 20191022; KR 20190110772 A 20190906