Title (en)
ASSISTANCE SYSTEM AND METHOD FOR PROVIDING INFORMATION TO A USER USING SPEECH OUTPUT

Title (de)
ASSISTENZSYSTEM UND VERFAHREN ZUR BEREITSTELLUNG VON INFORMATIONEN FÜR EINEN BENUTZER MITTELS SPRACHAUSGABE

Title (fr)
SYSTÈME D'ASSISTANCE ET PROCÉDÉ POUR FOURNIR DES INFORMATIONS À UN UTILISATEUR À L'AIDE D'UNE SORTIE VOCALE

Publication
EP 3772735 B1 20240515 (EN)

Application
EP 19194153 A 20190828

Priority
EP 19191075 A 20190809

Abstract (en)
[origin: EP3772735A1] An assistance system performs a method for providing information to an assisted person using speech output. The system comprises at least one sensor for acoustically sensing an environment, in which the assistance system and the assisted person are located. The system further comprises a processor that is configured to analyze a sensor output from the at least one sensor. The processor estimates a potential interference of an intended speech output with the sensed acoustic environment in the common environment on the basis of the analysis result. Additionally, the processor obtains information on an assisted person's hearing capacity and determines an expected intelligibility of speech output on the basis of the estimated interference and the obtained information on the assisted person's hearing capacity. The system further comprises a speech output signal generation unit. The speech presentation signal generation unit generates a speech presentation signal in accordance with the determined modality for intended speech presentation. The speech output signal is then supplied at least to a loudspeaker or hearing aid for outputting the speech output including the information to be provided to the user.

IPC 8 full level
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