

Title (en)
METHOD AND APPARATUS FOR SPEECH ENHANCEMENT IN A SPEECH COMMUNICATION SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR SPRACHVERBESSERUNG IN EINEM SPRACHÜBERTRAGUNGSSYSTEM

Title (fr)
PROCEDE ET APPAREIL D'AMELIORATION DE QUALITE DE SON VOCAL DANS UN SYSTEME DE COMMUNICATION PAR SON VOCAL

Publication
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Application
EP 98932337 A 19980701

Priority

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Abstract (en)
[origin: GB2327835A] The characteristics of the speech received by the decoding unit are altered by a processing unit 10 based upon an analysis of the listener's current background noise before the speech is output to enhance its intelligibility to a listener. An analysis unit 12 determines the type and level of the background noise by use of a microphone 13. A decision unit 11 then determines whether the speech currently being received and replayed would be intelligible to an average listener in the current background noise. If unit 11 determines that the speech is readily intelligible then no processing is necessary and the processing unit 10 does not alter the speech which has been passed to it. However, if unit 11 determines that the speech would be unintelligible, then unit 10 alters the speech before passing it to the output to make the speech more intelligible. In a particularly preferred embodiment, the speech characteristics are altered by altering line spectral pair/formant data representing the speech.

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IPC 8 full level
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Cited by
US11265660B2; EP1808853A1; US8630427B2; US11817114B2; WO2021119214A3

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