

Title (en)

Reproduction method for voice controlled systems with text based speech synthesis

Title (de)

Wiedergabeverfahren für sprachgesteuerte Systeme mit text-basierter Sprachsynthese

Title (fr)

Procédé de reproduction pour systèmes contrôlés par la voix avec synthèse de la parole basée sur texte

Publication

EP 1058235 B1 20031105 (DE)

Application

EP 00108486 A 20000419

Priority

DE 19920501 A 19990505

Abstract (en)

[origin: US6546369B1] The invention specifies a simple reproduction method with improved pronunciation for voice-controlled systems with text-based speech synthesis even when the stored train of characters to be synthesized does not follow the general rules of speech reproduction. According to the invention, the method of "copying" the original spoken input text into the otherwise synthesized reproduction text, which is the current state of the art, is avoided, which will significantly increase the acceptance of the user of the voice-controlled system due to the process invented. More specifically, when there is actual spoken speech input that corresponds to a stored train of characters, the converted train of characters is compared to the speech input before reproduction of the train of characters described phonetically according to general rules and converted to a purely synthetic form. When the converted train of characters is found to deviate from the speech input by a value above a threshold value, at least one variation of the converted train of characters is created. This variation is then output instead of the converted train of characters as long as this variation deviates from the speech input by a value below the threshold value.

IPC 1-7

G10L 13/06; **G10L 13/08**

IPC 8 full level

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Cited by

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DOCDB simple family (publication)

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