

Title (en)
METHOD FOR SLOWING DOWN A SPEECH IN AN INPUT MEDIA CONTENT

Title (de)
VERFAHREN ZUM VERLANGSAMEN VON SPRACHE IN EINEM EINGANGSMEDIENINHALT

Title (fr)
PROCÉDÉ POUR FREINER UN DISCOURS DANS UN CONTENU MULTIMÉDIA ENTRÉ

Publication
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Application
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Abstract (en)
The present invention relates to a method for slowing down speech in an input audio signal constituted by a sequence of audio frames, comprising performing steps of: (a) classifying the audio frames as speech, non-speech, or pause, so as to divide said audio signal into speech segments bounded by non-speech segments; (b) for each speech segment: 1. dividing it into a sequence of intervowel segments; 2. calculating an average intervowel distance (T_{avg}), and determining a non-linear stretching transfer function mapping an input intervowel distance (T_{in}) to an output intervowel distance (T_{out}) as a function of said average intervowel distance (T_{avg}) and a given target intervowel distance (T_{target}); 3. for each intervowel segment, stretching it using the determined stretching transfer function so as to generate updated audio frames; (c) generating as output signal the input audio signal wherein for each intervowel segment of each speech segment the corresponding audio frames have been replaced by the updated audio frames. The present invention also relates to an equipment for carrying out said method.

IPC 8 full level
G10L 21/04 (2013.01)

CPC (source: EP)
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Citation (applicant)

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Citation (search report)

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