Title (en)
SPEECH SYNTHESIZER

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Application
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Abstract (en)
[origin: EP0144731A2] The invention relates to a speech synthesizer comprising a converting means (20, 30) for converting the input sequence of characters to a sequence of articulation symbols corresponding to a unit speech waveform which is obtained by dividing a diphone, a memory (80) for storing said unit speech waveform corresponding to the predetermined articulation symbols, and a synthesizing means (60, 70) for reading said unit speech waveforms corresponding to said articulation symbols of the converted sequence of articulation symbols from said memory (80) and synthesizing them. The speech synthesizer requires a comparatively small memory capacity and provides synthesized speech of high quality.

IPC 1-7
G10L 5/04

IPC 8 full level
G10L 13/06 (2013.01)

CPC (source: EP)
G10L 25/00 (2013.01)

Citation (search report)
- EP 0058130 A2 19820818 - HERTZ INST HEINRICH [DE]
- DE 2531006 A1 19770127 - DEUTSCHE BUNDESPOST, et al
- EP 0087199 A1 19830831 - PHILIPS NV [NL]
- DE 3246712 A1 19830630 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- DE 3220281 A1 19821223 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- EP 0107945 A1 19840509 - TOKYO SHIBAURA ELECTRIC CO [JP]
- [X] ICASSP 82, PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, Vol. 2, May 3-5, 1982, Palais des Congres, PARIS, (FR), pages 936-939, IEEE, NEW YORK, (US) E.R. GROSSMANN:"Speech synthesis in the time domain from text".
- [X] PROCEEDINGS OF THE SEMINAR ON PATTERN RECOGNITION, Vol. 1, November 19-20, 1977, University Sart-Tilman, LIEGE, (BE) pages 4.4.1 - 4.4.6, Sitel, OPHAIN, (BE) D. TEIL:"Un peripherique a reponse vocale: L'ICOPHONE 5".
- [A] THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 25, No. 1, January 1953, pages 105-113, (US) A.S. HOUSE et al.:"The influence of consonant environment upon the secondary acoustical characteristics of vowels".
- [A] ICASSP 80, PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, Vol.2, April 9-11, 1980, Fairmont Hotel, DENVER, COLORADO, (US), pages 557-560, IEEE, NEW YORK, (US) S. IMAI et al.:"Cepstral synthesis of Japanese from CV syllable parameters".
- [X] ICASSP 82, PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, Vol. 2, May 3-5, 1982, Palais des Congres, PARIS, (FR), pages 936-939, IEEE, NEW YORK, (US) E.R. GROSSMANN:"Speech synthesis in the time domain from text".
- [X] PROCEEDINGS OF THE SEMINAR ON PATTERN RECOGNITION, Vol. 1, November 19-20, 1977, University Sart-Tilman, LIEGE, (BE) pages 4.4.1 - 4.4.6, Sitel, OPHAIN, (BE) D. TEIL:"Un peripherique a reponse vocale: L'ICOPHONE 5".
- [A] THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, Vol. 25, No. 1, January 1953, pages 105-113, (US) A.S. HOUSE et al.:"The influence of consonant environment upon the secondary acoustical characteristics of vowels".
- [A] ICASSP 80, PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, Vol.2, April 9-11, 1980, Fairmont Hotel, DENVER, COLORADO, (US), pages 557-560, IEEE, NEW YORK, (US) S. IMAI et al.:"Cepstral synthesis of Japanese from CV syllable parameters".

Cited by
US5463713A; EP1617408A3; DE19610019A1; DE19610019C2; US6308156B1; WO9734291A1; EP1617408A2; US7552052B2

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