

Title (en)

A text-to-speech system and method

Title (de)

Verfahren und System für die Umsetzung von Text-zu-Sprache

Title (fr)

Procédé et système pour la conversion de texte en parole

Publication

**EP 1638080 A3 20060726 (EN)**

Application

**EP 05107389 A 20050811**

Priority

- EP 04300531 A 20040811
- EP 05107389 A 20050811

Abstract (en)

[origin: EP1638080A2] A system and method for generating synthetic speech is disclosed. The invention operates in a computer implemented Text-To-Speech system comprising at least a speaker database that has been previously created from user recordings, a Front-End system to receive an input text and a Text-To-Speech engine. Particularly, the Front-End system generates multiple phonetic transcriptions for each word of the input text, and the TTS engine is using a cost function to select which phonetic transcription is the more appropriate for searching the speech segments within the speaker database to be concatenated and synthesized.

IPC 8 full level

**G10L 13/08** (2006.01)

CPC (source: EP)

**G10L 13/08** (2013.01)

Citation (search report)

- [A] EP 0953970 A2 19991103 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [DA] H.CREPY, C.AMATO-BEAUJARD, J.M.MARCADET, C.WAAST RICHARD: "Optimisation d'arbres de décision pour la conversion graphème-phonème", XXIV-ÈMES JOURNEES D'ETUDE SUR LA PAROLE, 24 June 2002 (2002-06-24) - 27 June 2002 (2002-06-27), Nancy, pages 369 - 372, XP002384147
- [A] IVAN BULYKO AND MARI OSTENDORF: "Unit Selection for Speech Synthesis Using Splicing Costs with Weighted Finite State Transducers", PROCEEDINGS OF EUROSPEECH 2001, vol. 2, 3 September 2001 (2001-09-03) - 7 September 2001 (2001-09-07), AALBORG, DK, pages 987 - 990, XP007005176

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