Title (en)
   Speech synthesis method and speech synthesizer

Title (de)
   Verfahren und Vorrichtung zur Sprachsynthese

Title (fr)
   Procédé et appareil pour la synthèse de la parole

Publication
   EP 1246163 B1 20050810 (EN)

Application
   EP 02252159 A 20020326

Priority
   • JP 2001087041 A 20010326
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Abstract (en)
   [origin: EP1246163A2] A speech synthesis method comprises selecting a predetermined formant parameters from formant parameters according to a pitch pattern, phoneme duration, and phoneme symbol string, generating a plurality of sine waves based on formant frequency and formant phase of the formant parameters selected, multiplying the sine waves by windowing functions of the selected formant parameters, respectively, to generate a plurality of formant waveforms, adding the formant waveforms to generate a plurality of pitch waveforms, and superposing the pitch waveforms according to a pitch period to generate a speech signal. <IMAGE>

IPC 1-7
   G10L 13/02

IPC 8 full level
   G10L 13/00 (2006.01); **G10L 13/06** (2013.01)

CPC (source: EP KR)
   G10L 13/027 (2013.01 - KR); **G10L 13/04** (2013.01 - EP); G10L 25/27 (2013.01 - EP)

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Designated contracting state (EPC)
   DE FR GB

DOCDB simple family (publication)
   EP 1246163 A2 20021002; **EP 1246163 A3 20030813**; **EP 1246163 B1 20050810**; CN 1185619 C 20050119; CN 1378199 A 20021106;
   DE 60205421 D1 20050915; DE 60205421 T2 20060420; JP 2002358090 A 20021213; JP 3732793 B2 20060111; KR 100457414 B1 20041116;
   KR 20020076144 A 20021009

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   EP 02252159 A 20020326; CN 02108049 A 20020326; DE 60205421 T 20020326; JP 2002077096 A 20020319; KR 20020016033 A 20020325