

Title (en)  
Coding the expressivity in voice synthesis

Title (de)  
Kodierung von Ausdruck in Sprachsynthese

Title (fr)  
Codage de l'expression dans une voix de synthèse

Publication  
**EP 1160766 A1 20011205 (EN)**

Application  
**EP 01401391 A 20010529**

Priority  
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Abstract (en)  
Voice synthesis with improved expressivity is obtained in a voice synthesiser of source-filter type by making use of a library of source sound categories in the source module. Each source sound category corresponds to a particular morphological category and is derived from analysis of real vocal sounds, by inverse filtering so as to subtract the effect of the vocal tract. The library may be parametrical, that is, the stored data corresponds not to the inverse-filtered sounds themselves but to synthesis coefficients for resynthesising the inverse-filtered sounds using any suitable re-synthesis technique, such as the phase vocoder technique. The coefficients are derived by STFT analysis. <IMAGE>

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**G10L 13/04** (2006.01); **G10L 13/06** (2006.01); **G10L 13/07** (2013.01)

CPC (source: EP)  
**G10L 13/04** (2013.01); **G10L 13/07** (2013.01)

Citation (search report)  
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