

Title (en)
SPEECH SYNTHESIS

Title (de)
SPRACHSYNTHESE

Title (fr)
SYNTHESE DE LA PAROLE

Publication
EP 0750778 A1 19970102 (EN)

Application
EP 95911420 A 19950317

Priority

- EP 95911420 A 19950317
- EP 94301953 A 19940318
- GB 9500588 W 19950317
- SG 1996003308 A 19940318

Abstract (en)
[origin: WO9526024A1] The pitch of synthesised speech signals is varied by separating the speech signals into a spectral component and an excitation component. The latter is multiplied by a series of overlapping window functions synchronous, in the case of voiced speech, with pitch timing mark information corresponding at least approximately to instants of vocal excitation, to separate it into windowed speech segments which are added together again after the application of a controllable time-shift. The spectral and excitation components are then recombined. The multiplication employs at least two windows per pitch period, each having a duration of less than one pitch period. Alternatively each window has a duration of less than twice the pitch period between timing marks and is asymmetric about the timing mark.

IPC 1-7
G10L 5/04

IPC 8 full level
G10L 13/04 (2013.01); **G10L 13/10** (2013.01); **G10L 21/0264** (2013.01)

CPC (source: EP)
G10L 13/04 (2013.01); **G10L 13/10** (2013.01); **G10L 21/0264** (2013.01)

Citation (search report)
See references of WO 9526024A1

Designated contracting state (EPC)
BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9526024 A1 19950928; AU 1899595 A 19951009; AU 692238 B2 19980604; CA 2185134 A1 19950928; CA 2185134 C 20010424; CN 1144008 A 19970226; DE 69519086 D1 20001116; DE 69519086 T2 20010510; EP 0750778 A1 19970102; EP 0750778 B1 20001011; ES 2152390 T3 20010201; JP H09510554 A 19971021; NZ 282012 A 19970526; SG 43076 A1 19971017

DOCDB simple family (application)
GB 9500588 W 19950317; AU 1899595 A 19950317; CA 2185134 A 19950317; CN 95192141 A 19950317; DE 69519086 T 19950317; EP 95911420 A 19950317; ES 95911420 T 19950317; JP 52446195 A 19950317; NZ 28201295 A 19950317; SG 1996003308 A 19940318