Publication
EP 0557940 A3 19940323

Application
EP 93102794 A 19930223

Priority
JP 3588192 A 19920224

Abstract (en)
[origin: EP0557940A2] An input speech signal is splitted into a time section and the splitted signal is generated as a speech vector and LPC coefficient sets are developed by linear prediction analysis for every time section of the speech vector. The speech vector is weighted based on the developed LPC coefficient sets, then a plurality of the weighted speech vectors are connected and the connected speech vector having a predetermined frame length is generated. An excitation codevector whose weighted synthesized signal is the most similar to the weighted speech vector is determined among from a plurality of excitation vectors each having the frame length which are previously stored as a sound source. A plurality of adaptive codevectors each having the frame length and obtained by cutting out a sound source signal produced from the determined excitation vectors at predetermined timing points are stored in an adaptive codebook (145). An adaptive codevector whose weighted synthesized signal is the most similar to the weighted speech vector is determined among from the plurality of adaptive codevectors. <IMAGE>

IPC 1-7
G10L 9/14

IPC 8 full level
G10L 19/038 (2013.01); **G10L 19/04** (2013.01); **G10L 19/08** (2013.01); **G10L 19/12** (2013.01)

CPC (source: EP)
G10L 19/12 (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0557940 A2 19930901; **EP 0557940 A3 19940323**; **EP 0557940 B1 20000927**; CA 2090205 A1 19930825; CA 2090205 C 19980804; DE 69329476 D1 20001102; DE 69329476 T2 20010208; JP 3248215 B2 20020121; JP H05232997 A 19930910

DOCDB simple family (application)
EP 93102794 A 19930223; CA 2090205 A 19930223; DE 69329476 T 19930223; JP 3588192 A 19920224