

Title (en)
VOICE DETECTION METHOD

Title (de)
STIMMENDETEKTIONSVERFAHREN

Title (fr)
PROCÉDÉ DE DÉTECTION DE LA VOIX

Publication
EP 3078027 A1 20161012 (FR)

Application
EP 14814978 A 20141127

Priority
• FR 1361922 A 20131202
• FR 2014053065 W 20141127

Abstract (en)
[origin: WO2015082807A1] The invention relates to a voice detection method which makes it possible to detect the presence of voice signals in an noisy acoustic signal $x(t)$ from a microphone, comprising the following consecutive steps: calculating a detection function $FD(\tau)$ based on calculating a difference function $D(\tau)$ varying in accordance with the shift τ on an integration window with length W starting at the time t_0 , with: a step of adapting the threshold in said current interval, in accordance with values calculated from the acoustic signal $x(t)$ established in said current interval; searching for the minimum of the detection function $FD(\tau)$ and comparing said minimum with a threshold, for (τ) varying in a predetermined time interval referred to as current interval so as to detect the possible presence of a fundamental frequency F_0 that is characteristic of a voice signal in said current interval.

IPC 8 full level
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CPC (source: EP US)
G10L 25/84 (2013.01 - EP US); **G10L 2025/783** (2013.01 - EP US); **G10L 2025/786** (2013.01 - EP US)

Citation (search report)
See references of WO 2015082807A1

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FR 3014237 A1 20150605; **FR 3014237 B1 20160108**; CA 2932449 A1 20150611; CN 105900172 A 20160824; EP 3078027 A1 20161012; EP 3078027 B1 20180523; ES 2684604 T3 20181003; US 2016284364 A1 20160929; US 9905250 B2 20180227; WO 2015082807 A1 20150611

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