Title (en)
METHOD AND APPARATUS FOR CLASSIFYING SOUND SIGNALS

Title (de)
VERFAHREN UND GERÄT ZUR KLASSIFIZIERUNG VON TONSIGNALEN

Title (fr)
PROCÉDÉ ET APPAREIL POUR LE CLASSEMENT DE SIGNAUX SONORES

Publication
EP 2096629 B1 20121024 (EN)

Application
EP 07855800 A 20071226

Priority
• CN 2007003798 W 20071226
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Abstract (en)
[origin: EP2096629A1] A method for classifying sound signals includes: receiving sound signals, and determining the update rate of background noise according to spectral distribution parameters of the background noise and the sound signals; and updating the noise parameters according to the update rate, and classifying the sound signals according to sub-band energy parameters and updated noise parameters. An apparatus for classifying sound signals includes: a background noise parameter updating module, configured to: determine the update rate of background noise according to spectral distribution parameters of the background noise and the current sound signals; and send the determined update rate; and a PSC module, configured to: receive the update rate from the background noise parameter updating module, update the noise parameters, classify the current sound signals according to the sub-band energy parameters and updated noise parameters, and send the sound signal type determined through classification.

IPC 8 full level
G10L 11/02 (2006.01); **G10L 25/78** (2013.01); G10L 19/20 (2013.01)

CPC (source: EP)
G10L 25/78 (2013.01); G10L 19/20 (2013.01)

Citation (examination)
WO 02065457 A2 20020822 - CONEXANT SYSTEMS INC [US]

Cited by
WO2012146290A1; CN102928713A; RU2630889C2; RU2656681C1; AU2017206243B2; RU2680352C1; JP2014517938A; WO2014077591A1; US10468046B2; US11004458B2; US10090003B2; US10529361B2; US11289113B2; US11756576B2; US9224403B2; US9240191B2; US9343077B2; US9396736B2; US9552824B2; US9558754B2; US9558753B2; US9595270B2; US9830923B2; US9858940B2; US10236010B2; US10811024B2; US11183200B2; US11610595B2; US11996111B2

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