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(54) Title (EN): AUDIO SIGNAL DISCRIMINATOR AND CODER

(54) Title (FR): DISCRIMINATEUR ET CODEUR DE SIGNAL AUDIO

(57) Abstract:

(EN): The invention relates to a codec and a discriminator and methods therein for audio signal discrimination and coding.

Embodiments of a method performed by an encoder comprises, for a segment of the audio signal: identifying a set of spectral peaks; determining a mean distance S between peaks in the set; and determining a ratio, PNR, between a peak envelope and a noise floor envelope. The method further comprises selecting a coding mode, out of a plurality of coding modes, based at least on the mean distance S and the ratio PNR; and applying the selected coding mode for coding of the segment of the audio signal.

(FR): L'invention concerne un codec et un discriminateur et des procédés correspondants pour la discrimination et le codage de signal audio. Des modes de réalisation d'un procédé mis en œuvre par un codeur comprend, pour un segment du signal audio : l'identification d'un ensemble de crêtes spectrales ; la détermination d'une distance moyenne S entre des crêtes dans l'ensemble ; et la détermination d'un rapport, PNR, entre une enveloppe de crête et une enveloppe de bruit de fond. Le procédé comprend en outre la sélection d'un mode de codage, parmi une pluralité de modes de codage, en se basant au moins sur la distance moyenne S et le rapport PNR ; et l'application du mode de codage sélectionné pour le codage du segment du signal audio.

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