

Title (en)

Method and apparatus for synthesising an emotion conveyed on a sound

Title (de)

Verfahren und Vorrichtung um eine mittels eines Klangs übermittelte Emotion zu synthetisieren

Title (fr)

Procédé et dispositif de synthèse d'une émotion communiquée par un son

Publication

**EP 1256932 A2 20021113 (EN)**

Application

**EP 01401880 A 20010713**

Priority

- EP 01401880 A 20010713
- EP 01401203 A 20010511

Abstract (en)

An emotion conveyed on a sound is synthesised by selectively modifying elementary sound portions (S) thereof prior to delivering the sound through an operator application step (S10, S16, S20) in which at least one operator (OP, OD; Ol) is selectively applied to the elementary sound portions (S) to impose a specific modification in a characteristic, such as pitch and/or duration in accordance with an emotion to be synthesised. <??>This can be achieved by applying at least one operator (Ols, Olfs, Olsu, Olsd) to modify an intensity characteristic of an elementary sound portion, and/or an operator (OPrs, OPfs) for selectively causing the time evolution of the pitch of an elementary sound portion (S) to rise or fall according to an imposed slope characteristic (Prs, Pfs), and/or an operator (OPsu, OPsd) for selectively causing the time evolution of the pitch of an elementary sound portion (S) to rise or fall uniformly by a determined value (Psu, Psd), and/or an operator (ODd, ODc) for selectively causing the duration (tl) of an elementary sound portion (S) to increase or decrease by a determined value (D). <IMAGE> <IMAGE>

IPC 1-7

**G10L 13/08**; **G10L 13/02**

IPC 8 full level

**G10L 13/033** (2013.01); **G10L 13/10** (2013.01); **G10L 13/04** (2013.01)

CPC (source: EP)

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