

Title (en)

Method for simulating spatial and/or sonic impression.

Title (de)

Verfahren zur Simulation eines Raum- und/oder Klangeindrucks.

Title (fr)

Procédé pour simuler un effet spatial et/ou sonore.

Publication

EP 0641143 A3 19990519 (DE)

Application

EP 94112549 A 19940811

Priority

DE 4328620 A 19930826

Abstract (en)

[origin: US5544249A] A method of simulating a room impression and/or sound impression occurring at a representative listening location in a room with monophonic, stereophonic or multichannel reproduction includes selecting a room whose sound is to be simulated. A location of a representative listening location is then determined. Subsequently, the corresponding room impulse response at least for one channel is determined at the representative listening location. A threshold value which exceeds over at least a portion of the duration of the determined room impulse response is determined for the determined room impulse response. By comparing the determined room impulse response with the threshold value, a reduced room impulse response is produced which within the portion of the duration of the determined room impulse response only includes those contents of the determined room impulse response in which a momentary amplitude is above the threshold value. The reduced impulse response to the value zero for those contents of the determined room impulse response whose momentary amplitude is below the threshold value is set. Outside of the portion of the duration of the determined room impulse response, the reduced room impulse response contains the determined room impulse response in unchanged form.

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H04R 5/033

IPC 8 full level

G10K 15/12 (2006.01); **H04R 3/04** (2006.01); **H04R 5/033** (2006.01); **H04R 29/00** (2006.01); **H04S 7/00** (2006.01); **H04S 1/00** (2006.01)

CPC (source: EP US)

H04S 7/305 (2013.01 - EP US); **H04S 1/002** (2013.01 - EP US); **H04S 1/005** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0505949 A1 19920930 - NIPPON TELEGRAPH & TELEPHONE [JP]
- [A] WO 9210876 A1 19920625 - B & W LOUDSPEAKERS [GB]
- [A] US 5131051 A 19920714 - KISHINAGA SHINJI [JP], et al
- [A] US 5123050 A 19920616 - SERIKAWA MITSUHIKO [JP], et al

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CN105981412A; US9936328B2; EP1740016A1

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US 5544249 A 19960806; AT E210362 T1 20011215; DE 4328620 C1 19950119; DE 59409989 D1 20020117; DK 0641143 T3 20020402; EP 0641143 A2 19950301; EP 0641143 A3 19990519; EP 0641143 B1 20011205; JP 3565908 B2 20040915; JP H0787589 A 19950331

DOCDB simple family (application)

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