

Title (en)  
Sound effect adding apparatus

Title (de)  
Schalleffekt Addiergerät

Title (fr)  
Dispositif d'addition pour effet de son

Publication  
**EP 0989543 A3 20030305 (EN)**

Application  
**EP 99307560 A 19990924**

Priority  
JP 27224198 A 19980925

Abstract (en)  
[origin: EP0989543A2] Impulse response components corresponding to a direct sound, an initially reflected sound, and a reverberation are separated from an original impulse response. A point N1 of which an impulse response component corresponding to a direct sound starts, a point N2 of which impulse response components corresponding to a direct sound and an initially reflected sound end, and a point N3 of which an impulse response component corresponding to a reverberation starts are represented by data associated with impulse response components. After the levels of the impulse response components corresponding to the direct sound and the initially reflected sound are adjusted, these impulse response components are combined with the impulse response corresponding to the reverberation. By performing a convolution calculation process for audio data and combined impulse response, a reverberation is generated and added to an original sound. <IMAGE> <IMAGE> <IMAGE> <IMAGE>

IPC 1-7  
**G10K 15/08**

IPC 8 full level  
**G10K 15/12** (2006.01); **G10K 15/08** (2006.01)

CPC (source: EP)  
**G10K 15/08** (2013.01)

Citation (search report)

- [E] EP 0989540 A1 20000329 - SONY CORP [JP]
- [X] US 5544249 A 19960806 - OPITZ MARTIN [AT]
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