Title (en)

SOUND REPRODUCING ARRAY PROCESSOR SYSTEM

Title (de)

TONWIEDERGABEARRAYPROZESSORSYSTEM

Title (fr)

SYSTEME DE PROCESSEUR A RESEAU DE REPRODUCTION SONORE

Publication

EP 0885545 A1 19981223 (EN)

Application

EP 96908616 A 19960229

Priority

US 9602853 W 19960229

Abstract (en)

[origin: WO9732449A1] A method and apparatus for dynamic, adaptive mapping of three-dimensional aural phenomenon to a two-dimensional sound reproducing surface. The surface is comprised of sound pixels that are discrete, addressable output locations. Actual or synthetic recorded audio material is decomposed into discrete sound sources which are then mapped to the sound pixels. This mapping occurs during the production phase by means of computer-aided design (CAD) system. The CAD system guides the sound designer in the implementation of complex acoustical designs by automating the most complex and computationally intensive functions. The mapping function can be extended to integrate real-time human interaction, ultimately creating a participatory, interactive virtual sound environment.

IPC 1-7

H04R 1/40; H04S 3/00

IPC 8 full level

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