

Title (en)
Multi-dimensional sound reproduction system.

Title (de)
Multidimensionales Tonwiedergabesystem.

Title (fr)
Système de reproduction sonore multi-dimensionnel.

Publication
EP 0549836 A1 19930707 (EN)

Application
EP 91312109 A 19911231

Priority
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Abstract (en)
A multi-dimensional sound reproduction system is provided for receiving a binaural or other appropriately produced recording on left and right channels and outputting the recording to localized speakers (58) and (60). The localized speakers (58) and (60) are supported on a pair of glasses (70) in housings (80) and (82). Each of the speakers (58) and (60) are directed rearward toward the pinna (68) of the associated left and right ear of the individual and disposed proximate to the zygomatic arch of the listener (26). In this manner, the localized speakers (58) and (60) are separated from the opposite one of the ears of the listener (26) such as not to disturb the conch resonance on the unique pinna response of the listener's ear. The low frequency end of the frequency spectrum for the binaural recording is filtered from the input to the localized speakers (58) and (60), summed and then output on external speaker (52). A display (64) is provided for outputting visual cues to the listener (26) to assist in localizing sound. <IMAGE> <IMAGE>

IPC 1-7
H04N 13/04; **H04R 5/033**; **H04R 27/00**; **H04S 1/00**; **H04S 3/00**

IPC 8 full level
H04S 1/00 (2006.01); **H04R 5/033** (2006.01); **H04S 5/00** (2006.01)

CPC (source: EP)
H04S 1/005 (2013.01); **H04R 2420/07** (2013.01); **H04S 5/00** (2013.01)

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