

Title (en)

SOUND DEVICE PROVIDED WITH A GEOMETRIC AND ELECTRONIC RADIATION CONTROL

Title (de)

MIT EINER GEOMETRISCHEN UND ELEKTRONISCHEN SCHALLABSTRAHLSTEUERUNG AUSGESTATTETE SCHALLEINRICHTUNG

Title (fr)

DISPOSITIF DE SONORISATION A CONTRÔLE DE RAYONNEMENT GÉOMÉTRIQUE ET ÉLECTRONIQUE

Publication

**EP 1728409 A1 20061206 (FR)**

Application

**EP 05736560 A 20050311**

Priority

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Abstract (en)

[origin: WO2005104609A1] The invention relates to a sound device for carrying out a homogenous sound cover for a public addressed area comprising an electroacoustic source network (1), wherein each electroacoustic source (1) diffuses a version delayed by a delay (3), filtered by a filter (4) and amplified by the device input signal amplifier (5). The inventive device is characterised in that said network is substantially rectilinear and vertical, angles theta which are formed by the emitting axes of the electroacoustic sources (1) and a normal to the network are selected such that  $\theta_n > \theta_{n-1}$ , wherein n is the index of the electroacoustic sources (1) numbered in ascending order from the top of the device to the bottom thereof and the delays (3) interact with the angles theta in such a way that the device generates a wavefront (6) whose shape corresponds to the desired sound cover of the public addressed area.

IPC 8 full level

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Citation (search report)

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