

Title (en)  
METHOD FOR OPERATING AN ARRANGEMENT OF SOUND TRANSDUCERS ACCORDING TO THE WAVE-FIELD SYNTHESIS PRINCIPLE

Title (de)  
VERFAHREN ZUM BETREIBEN EINER ANORDNUNG AUS SCHALLWANDLERN NACH DEM PRINZIP DER WELLENFELDSYNTHESE

Title (fr)  
PROCÉDÉ POUR FAIRE FONCTIONNER UN RÉSEAU DE TRANSDUCTEURS ÉLECTROACOUSTIQUES À SYNTHÈSE DE CHAMP D'ONDES

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Application  
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Abstract (en)  
[origin: WO2015022579A2] The present invention relates to a method and a device for operating an arrangement of sound transducers according to the wave-field synthesis principle, characterized in that, in order to supply an extended audience region with the same signal, the same signal content is generated by at least two virtual sound sources, which are arranged such that the wavefronts thereof are directed only onto a part audience area, rather than generating only a single beam extending over the entire audience area. The wavefronts of the distributed virtual sound sources add up vectorially in the plane of the arrangement of sound transducers, whereby the effectiveness of the sound generation is increased.

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