

Title (en)  
A system of sound diffusion, particularly for large spaces

Title (de)  
Ton-Diffusionssystem, insbesondere für grosse Räume

Title (fr)  
Système de diffusion de son, notamment pour des grands espaces

Publication  
**EP 0777403 B1 20031001 (EN)**

Application  
**EP 96203376 A 19961129**

Priority  
IT MI952485 A 19951129

Abstract (en)  
[origin: EP0777403A2] A system of sound diffusion comprises a device (1) for the central amplification of a source signal (Vin) for generating an amplified signal, at least one device (2) for transducing the amplified signal into a sound signal and a respective line (22) with two wires (23, 24) for the transmission of the amplified signal from the central amplification device (1) to the transducer device (2). The transducer device (2) comprises local amplification means (30) for amplifying the amplified signal received from the central amplification device for driving a loudspeaker (38). The central amplification device (1) comprises first magnetic-induction coupling means (17) for the coupling of the amplified signal to the transmission line (22) and generating means (3) for generating a direct-current voltage (V1) supplied to the transmission line (22) so that on the transmission line (22) there is present a signal variable over time induced by the amplified signal superimposed over the direct-current voltage (V1). The transducer device (2) comprises second magnetic-induction coupling means (25) for separating the signal variable over time present on the transmission line (22) from the direct-current voltage (V1), the latter supplying the local amplification means (30) and the signal variable over time being amplified by the local amplification means (30) for driving the loudspeaker (38).

IPC 1-7  
**H04R 3/00; H04R 27/00**

IPC 8 full level  
**H04R 3/00** (2006.01)

CPC (source: EP)  
**H04R 3/00** (2013.01)

Citation (examination)  
EP 0365696 A1 19900502 - SIEMENS AG [DE]

Cited by  
US6015026A; DE102006006862A1; EP1004222A4; US7668318B2; US7181023B1; US7756277B2

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0777403 A2 19970604; EP 0777403 A3 20010627; EP 0777403 B1 20031001**; DE 69630187 D1 20031106; IT 1278525 B1 19971124; IT MI952485 A0 19951129; IT MI952485 A1 19970529

DOCDB simple family (application)  
**EP 96203376 A 19961129**; DE 69630187 T 19961129; IT MI952485 A 19951129