

Title (en)

PROGRAMMABLE DIGITAL SOUND REPRODUCTION NETWORK

Title (de)

PROGRAMMIERBARES, DIGITALES TONWIEDERGABENETZWERK

Title (fr)

RÉSEAU DE REPRODUCTION AUDIO NUMÉRIQUE PROGRAMMABLE

Publication

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Application

**EP 15729789 A 20150610**

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Abstract (en)

[origin: WO2016000921A1] The invention relates to a programmable digital sound reproduction system (10), comprising a controller (12) and a plurality of active loudspeaker chassis (14) that are connected to the controller (12) for communication purposes, wherein the controller (12) has an interface (16) for receiving digital sound data (18) from a sound source (20), a sound data processing unit (22) for processing the digital sound data (18) to produce at least one piece of digital sound information (24) and a distributor (26) for distributing the piece of digital sound information (24) to an active loudspeaker chassis (14), which is connected to the controller (12) for communication purposes, from the plurality of active loudspeaker chassis (14), and the plurality of active loudspeaker chassis (14) each have a receiver (28) for receiving the respective piece of digital sound information (24) distributed by the controller (12) to an active loudspeaker chassis (14) from the plurality of active loudspeaker chassis (14), an amplifier (30) for amplifying and forwarding the piece of digital sound information (24) and a sound transducer (32) for converting the piece of digital sound information (24) into alternating sound pressures (34). The invention provides for each active loudspeaker chassis (14) from the plurality of active loudspeaker chassis (14) to contain a respective program-controlled signal processor (36) for specific handling of the received piece of digital sound information (24). In this way, a programmable digital sound reproduction system (10) is specified that allows a high level of sound quality.

IPC 8 full level

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Citation (search report)

See references of WO 2016000921A1

Citation (examination)

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