

Title (en)
METHOD AND DEVICE FOR GENERATING AUDIO SIGNALS TO BE DELIVERED TO A SOUND REPRODUCTION SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON TONSIGNALEN ZUR LIEFERUNG AN EIN SCHALLWIEDERGABESYSTEM

Title (fr)
PROCEDE ET DISPOSITIF DE GENERATION DE SIGNAUX AUDIO DESTINES A ETRE FOURNIS A UN SYSTEME DE RESTITUTION SONORE

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Application
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Abstract (en)
[origin: WO2014049268A1] The invention relates to a method for generating audio signals, from an input audio signal, to be delivered to a sound reproduction system comprising a first set of loud-speakers at a reference height, and a second set of loud-speakers at a higher height than the reference height, that are vertically more directive than the loud-speakers of the first set. Said method comprises: the identification of a position of at least one sound object of the input audio signal; the generation of first audio signals for feeding the first set, by applying, to the input audio signal, at least one delay and/or a gain and a sound spatialisation technique taking into account the identified position and a position of the loud-speakers of the first set; and the generation of second audio signals for feeding the second set, by applying, to the input audio signal, at least one delay and/or a gain and a sound spatialisation technique taking into account the identified position and a position of the loud-speakers of the second set; at least one sound spatialisation technique being a holophonic technique and the delays and/or gains being selected in such a way that the combination of the first signals restituted by the first set and the second signals restituted by the second set verifies a defined sound restitution effect at at least one reference spatial position.

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