

Title (en)

APPARATUS AND METHOD FOR DETERMINING A COMPONENT SIGNAL WITH GREAT ACCURACY

Title (de)

EINE VORRICHTUNG UND EIN VERFAHREN ZUR ERMITTLUNG EINES KOMPONENTENSIGNALS IN HOHER GENAUIGKEIT

Title (fr)

SYSTÈME ET PROCÉDÉ POUR DÉTERMINER UN SIGNAL DE COMPOSANTE AVEC UNE GRANDE PRÉCISION

Publication

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Application

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Abstract (en)

[origin: WO2009036883A1] An apparatus for determining a component signal (115) for a WFS system (200) comprises a device for supplying WFS parameters (150), a WFS parameter interpolator (160), and an audio signal processing device (170). The supplying device (150) supplies WFS parameters for a component signal (115) by means of a source position (135) and the loudspeaker position (145) at a parameter sampling frequency that is shorter than the audio sampling frequency. The WFS parameter interpolator (160) interpolates the WFS parameters (155) to generate interpolated WFS parameters (165) which have a parameter interpolation frequency that is greater than the parameter sampling frequency. The interpolated WFS parameters (165) have interpolated fractions that are more accurate than the accuracy predefined by the audio sampling frequency. The audio signal processing device (170) is designed to apply the values of the interpolated fractions to the audio signal (125) such that the component signal (115) is obtained processed at the greater accuracy.

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