Title (en)

METHOD AND ARRANGEMENT FOR ADAPTING A LINE FREQUENCY OF A DIGITAL SIGNAL FOR A PROJECTOR DEVICE

Title (de)

VERFAHREN UND ANORDNUNG ZUM ANPASSEN EINER ZEILENFREQUENZ EINES DIGITALSIGNALS EINER PROJEKTOREINRICHTUNG

Title (fr)

PROCÉDÉ ET AGENCEMENT D'ADAPTATION D'UNE FRÉQUENCE DE LIGNES D'UN SIGNAL NUMÉRIQUE D'UN SYSTÈME DE PROJECTEUR

Publication

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Application

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Abstract (en)

[origin: WO2014063849A1] The invention relates to a method for adapting a line frequency of a digital signal (DP) for a projector device (PE), with the following method steps: provision (S1) of data using at least one mechanical natural frequency of a mirror device (SE) of the projector device (PE) and using a storage capacitor of a line buffer (ZP) for an image-processing device (VDC); detection (S2) of a first image resolution of a video signal (VS) from a video-source device (VE) by the image-processing device (VDC); and calculation (S3) of a second image resolution with an adapted vertical resolution of the data signal (DP) by the image-processing device (VDC), using the detected first image resolution of the video signal (VS) depending on the at least one mechanical natural frequency of the mirror device (SE) and the memory capacitor of a line buffer (ZP), in order to adapt the line frequency of the digital signal (DP) for the projector device (PE).

IPC 8 full level

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CPC (source: EP US)

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