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(54) Title: METHOD AND DEVICE FOR EVALUATING MULTIMEDIA QUALITY

(54) 发明名称: 评估多媒体质量的方法和装置

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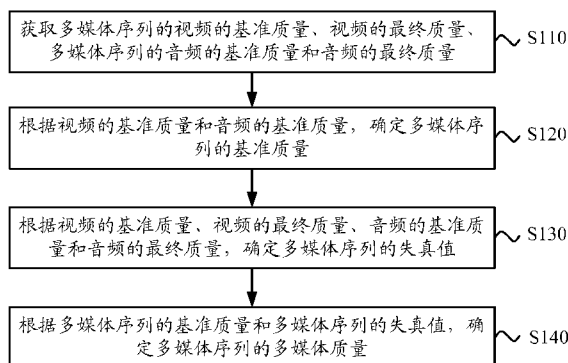


图1 / FIG. 1

- S110 OBTAIN REFERENCE QUALITY OF VIDEO OF A MULTIMEDIA SEQUENCE, FINAL QUALITY OF THE VIDEO, REFERENCE QUALITY OF AUDIO OF THE MULTIMEDIA SEQUENCE, AND FINAL QUALITY OF THE AUDIO
- S120 DETERMINE REFERENCE QUALITY OF THE MULTIMEDIA SEQUENCE ACCORDING TO THE REFERENCE QUALITY OF THE VIDEO AND THE REFERENCE QUALITY OF THE AUDIO
- S130 DETERMINE A DISTORTION VALUE OF THE MULTIMEDIA SEQUENCE ACCORDING TO THE REFERENCE QUALITY OF THE VIDEO, THE FINAL QUALITY OF THE VIDEO, THE REFERENCE QUALITY OF THE AUDIO, AND THE FINAL QUALITY OF THE AUDIO
- S140 DETERMINE MULTIMEDIA QUALITY OF THE MULTIMEDIA SEQUENCE ACCORDING TO THE REFERENCE QUALITY OF THE MULTIMEDIA SEQUENCE AND THE DISTORTION VALUE OF THE MULTIMEDIA SEQUENCE

(57) Abstract: Disclosed are a method and a device for evaluating quality of multimedia. The method comprises: obtaining reference quality of video of a multimedia sequence, final quality of the video, reference quality of audio of the multimedia sequence, and final quality of the audio; determining reference quality of the multimedia sequence according to the reference quality of the video and the reference quality of the audio; determining a distortion value of the multimedia sequence according to the reference quality of the video, the final quality of the video, the reference quality of the audio, and the final quality of the audio; and determining multimedia quality of the multimedia sequence according to the reference quality of the multimedia sequence and the distortion value of the multimedia sequence. The method and the device for evaluating multimedia quality according to embodiments of the present invention can directly reflect distortion of the multimedia sequence, conforming to a subjective feeling of human, thereby correctly and effectively evaluating the multimedia quality.

(57) 摘要:

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IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, **本国际公布:**

RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,

CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)。

— 包括国际检索报告(条约第 21 条(3))。

本发明公开了一种评估多媒体质量的方法和装置。该方法包括：获取多媒体序列的视频的基准质量、视频的最终质量、多媒体序列的音频的基准质量和音频的最终质量；根据视频的基准质量和音频的基准质量，确定多媒体序列的基准质量；根据视频的基准质量、视频的最终质量、音频的基准质量和音频的最终质量，确定多媒体序列的失真值；根据多媒体序列的基准质量和多媒体序列的失真值，确定多媒体序列的多媒体质量。本发明实施例的评估多媒体质量的方法和装置，能够直接反映出多媒体序列的失真，符合人的主观感受，从而能够准确有效地评估多媒体质量。