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(81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

(54) **Title:** VIDEO PROCESSING METHOD AND APPARATUS BASED ON AUGMENTED REALITY, AND ELECTRONIC DEVICE

(54) **发明名称**: 基于增强现实的视频处理方法、装置及电子设备

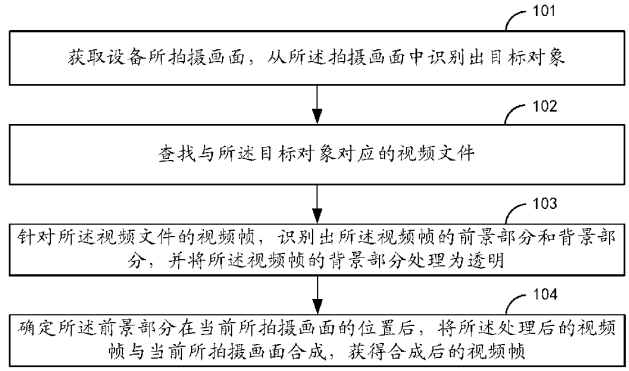

图 1B

101 ACQUIRE A PICTURE PHOTOGRAPHED BY A DEVICE, AND IDENTIFY A TARGET OBJECT IN THE PHOTOGRAPHED PICTURE
102 SEARCH FOR A VIDEO FILE CORRESPONDING TO THE TARGET OBJECT
103 WITH REGARD TO A VIDEO FRAME OF THE VIDEO FILE, IDENTIFY A FOREGROUND PORTION AND A BACKGROUND PORTION OF THE VIDEO FRAME, AND PROCESS THE BACKGROUND PORTION OF THE VIDEO FRAME SO THAT SAME IS TRANSPARENT
104 AFTER THE POSITION OF THE FOREGROUND PORTION IN A CURRENTLY PHOTOGRAPHED PICTURE IS DETERMINED, SYNTHESIZE THE PROCESSED VIDEO FRAME WITH THE CURRENTLY PHOTOGRAPHED PICTURE TO OBTAIN A SYNTHESIZED VIDEO FRAME

(57) **Abstract:** Provided are a video processing method and apparatus based on augmented reality, and an electronic device. By means of the solution, a target object in which a user is possibly interested can be identified in a photographed picture when the user photographs a real environment, and a video file corresponding to the target object is further searched for. After a background portion of the video file is processed so that same is transparent, the video file can be synthesized on a video picture photographed by the user, so that the photographed picture viewed by the user further includes a non-transparent foreground portion in the video file, thereby achieving a

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better visual effect and a better augmented reality effect.

(57) 摘要：本说明书提供一种基于增强现实的视频处理方法、装置及电子设备，该方案在用户拍摄真实环境时，可以从拍摄画面中识别出用户可能感兴趣的目标对象，进而查找该目标对象所对应的视频文件。通过将该视频文件的背景部分处理为透明后，在用户所拍摄的视频画面上可以合成该视频文件，使得用户所看到的拍摄画面上还包含有视频文件中的非透明的前景部分，从而具有较好的视觉效果和增强现实效果。