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Zhang et al.(10) **Pub. No.: US 2023/0232116 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **VIDEO CONVERSION METHOD,
ELECTRONIC DEVICE, AND
NON-TRANSITORY COMPUTER READABLE
STORAGE MEDIUM**(52) **U.S. Cl.**CPC *H04N 23/741* (2023.01); *G06T 3/40*
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ABSTRACT

Provided are a video conversion method, an electronic device and a non-transitory computer readable storage medium. The implementation scheme is as follows: a to-be-converted SDR video is acquired; one frame is extracted from the to-be-converted SDR video to serve as a current SDR image, the current SDR image is input into a parameter predictor and a generator, and an adjustment parameter corresponding to the current SDR image is output from the parameter predictor; the adjustment parameter corresponding to the current SDR image is input into the generator, and an HDR image corresponding to the current SDR image is output from the generator; and the operation described above is repeatedly performed until frames are converted into HDR images each of which corresponds to a respective frame of the frames; and a corresponding HDR video is generated based on the HDR images corresponding to the frames.

