

DECODER, ENCODER, BITSTREAM GENERATOR, DECODING METHOD, AND ENCODING METHOD

[ABSTRACT]

5 A decoder (200) includes memory (252) and circuitry (251) coupled to
the memory (252). In operation, the circuitry (251): decodes, from one or more
streams, (i) a fundamental image that is an image including a face, (ii)
geometric information indicating geometric attributes of a subject and
corresponding to each of frames of a captured video by a camera, and (iii)
10 background information regarding a background image (S401); and generates a
synthesized face video using a generative model from the fundamental image,
the geometric information, and the background information (S402). The
synthesized face video is a video including the face and synthesized with the
background image.

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Figure 38