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(54) **Title:** GENERATING A RELIABLE BIOMETRIC HASH

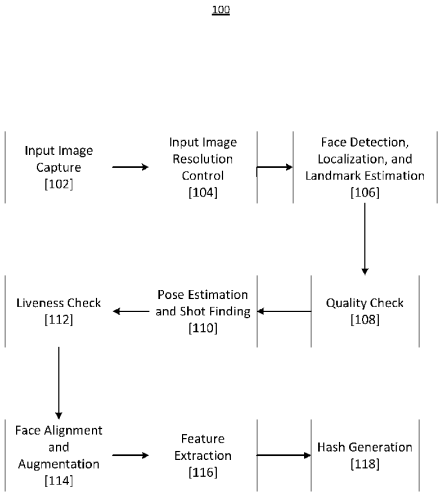


FIG. 1

(57) **Abstract:** Systems and methods for generating reliable biometric hashes are provided. In some examples, a method includes receiving one or more input images and performing pre-processing on the one or more input images. In some examples, the pre-processing includes a face detection, landmark estimation, and liveness check. In some examples, the method further includes extracting one or more feature vectors from the one or more pre-processed images, via a machine-learning model, and generating a biometric hash, based on the one or more extracted feature vectors of the one or more pre-processed images.

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