

METHODS, APPARATUSES, DEVICES, AND SYSTEMS FOR TESTING BIOMETRIC RECOGNITION DEVICE

ABSTRACT

The embodiments of the present specification disclose a method, apparatus,
5 device, and system for testing a biometric recognition device. The method includes the
following: a target simulated component required for testing the performance of a
biometric characteristic recognition device is obtained from simulated components that
include biometric characteristics; a mechanical arm is controlled, based on a camera
component arranged on the mechanical arm in target test environments with the same
10 test parameters, to respectively input biometric characteristic information of the target
simulated component to the biometric characteristic recognition device, where the test
parameters include a light parameter in the target test environment and a pressing force
parameter and a pressing angle parameter of the mechanical arm for the target simulated
component; a recognition result obtained by the biometric characteristic recognition
15 device by recognizing the biometric characteristic information of the target simulated
component based on predetermined reference biometric characteristic information is
obtained, and a performance test result of the biometric characteristic recognition
device is determined based on the recognition result.

20 FIG. 1