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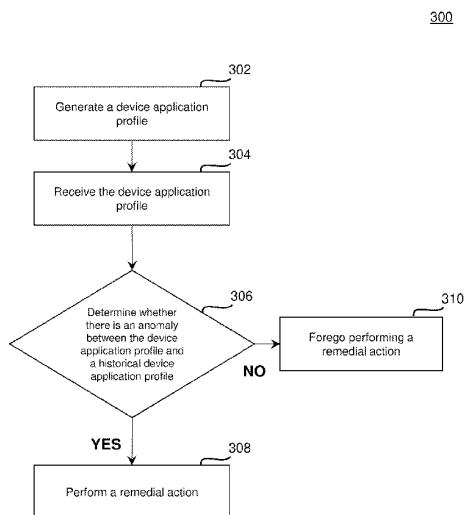
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(54) **Title:** SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR AUTHENTICATING A DEVICE BASED ON AN APPLICATION PROFILE



(57) **Abstract:** Provided are computer-implemented methods for authenticating a mobile device based on a real-time mobile device application profile which may include generating, with a mobile device application on a mobile device, a real-time mobile device application profile associated with the mobile device, receiving the mobile device application profile by the mobile device; and determining whether there is an anomaly between the real-time mobile device application profile and a historical mobile device application profile associated with the mobile device. The methods may also include performing a remedial action associated with a transaction based on determining that there is an anomaly between the real-time mobile device application profile and the historical mobile device application profile. Systems and computer program products are also provided.

FIG. 3

WO 2021/126167 A1