

AUTHENTICATION SYSTEM AND METHOD

ABSTRACT

A method for authentication, including: extracting, using a background image extraction device, first background images from each of a plurality of human face photographs submitted by users for a particular digital due diligence process; extracting, using the background image extraction device, second background images from each of a plurality of identification document photographs submitted by users for the particular digital due diligence process; generating, using a processing device, a background vector for each of the extracted first background images and the extracted second background images using a trained image similarity model, wherein the trained image similarity model is trained with historical background images; detecting, using the processing device, a presence of similar backgrounds from the generated background vectors; and triggering, using the processing device, an authentication alarm signal if the presence of similar backgrounds is detected.

Figure 3