(54) Title of the invention : SYSTEM AND METHOD FOR SIGNATURE VERIFICATION OF ENTITIES USING ARTIFICIAL INTELLIGENCE

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(57) Abstract :

The present disclosure relates to a system and method for signature verification of entities using artificial intelligence. The method includes receiving sample signatures of authorised entities. The method also includes generating a learning model. The method includes receiving at least one signature, from the one or more entities. The method further includes extracting features from each of the signature, for producing a centroid feature vector. The method includes computing a signature description upon characterizing patches of the signature, using learnt descriptor, and combining descriptions of minor patches, and using an average of the descriptions for computing the signature description. The method further includes comparing the signature with the sample signatures for computing a similarity score and a dynamic threshold value, wherein the dynamic threshold value is determined by the signature received, for verifying the corresponding signature of the entities.

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