

METHOD AND SYSTEM FOR DETERMINING AUTHENTICITY OF AN OFFICIAL DOCUMENT

ABSTRACT

A method for determining authenticity of an official document includes receiving document image data and background image data of a single image of the official document. A first trained residual neural network is applied to extract global features of the official document from both the document image data and the background image data and to calculate a first score indicating normality of the official document and at least one second score indicating abnormality of the official document. A second trained residual neural network is applied to extract local features of the official document from only the document image data and to calculate at least one third score indicating abnormality of the official document. The method further includes determining whether the official document is authentic based on a comparison of the first score with the at least one second score and at least one third score.

FIG. 1