Image Interpretation Of Digitized Signatures

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Image database of signatures are maintained and the process undertaken in this project is that new signature is being compared with the existing signature. If the signature is mismatched then using a new module called Experts module is being used for the interpretation of signature images. This project provides various menus for image acquiring, where the image is acquired through image sensors like scanners or digital cameras. An acquired image needs preprocessing like maintaining Levels, Color Balance, Brightness and Contrast, Equalize, Threshold, Variations and Cropping for better performance of images. Most vital part of the program is to remove unwanted dots and scratches, which is done throughout a menu known as SPOTING (which is technically known as Rubber Stamping/Cloning). All the images are converted to gray scale mode using Desaturate method before comparison. Comparison is done by pixel by pixel. A separate module for image comparison is provided with two windows. One window is provided for displaying a newly acquired image. In another window the corresponding signature image from the database is displayed. After comparison the expert feeds his analysis and relevant information to provide better results.