Trademark is one of the most disputed items in Intellectual Property Rights. To grant a trademark, litigation is carried out to investigate if the new trademark applied for matches substantially with an already issued trademark. Considering the fact that the trademark database is very huge and keeps on increasing constantly, the manual search is definitely not a
correct solution and an Information and Communication Technology (ICT) based system is required to automate this process.

In a content based retrieval system, shape is easily the most important feature for the trademark image. Using shape feature various systems have been developed in the past. Here, a new approach is proposed that integrates shape with color and texture information that improves the results significantly in terms of Precision and Recall. A flexible combination of features is used for improving performance and clustering is applied to the database to enhance retrieval efficiency.

Reference

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Index Terms

Computer Science

Image Processing

Key words

Trademark Retrieval

color histogram

grey level

co occurrence matrix

wavelet transform

Zernike moment

clustering.