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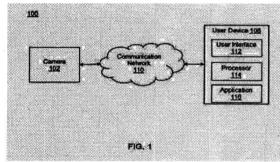
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(57) Abstract :

The Tie & Dye Technique Recognition System (TDRS) (100) is an image processing and recognition system designed for identifying traditional tie and dye techniques used on fabrics. The system comprises a camera (102) for capturing a detailed image of a product, a user device (106) for displaying information about the tie and dye techniques used on the product, and a TDR platform (108). The TDR platform (108) uses an image processing technique and machine learning algorithms to determine the patterns and colors from the processed image and generate a detailed output about the tie and dye technique upon the product. The system utilizes an application (116) and database (104) to identify the tie and dye technique used on a product and enables the user to check the authenticity of the product. The TDRS is an invaluable tool for users who are interested in purchasing authentic traditional tie and die fabrics.

FIG. 1

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