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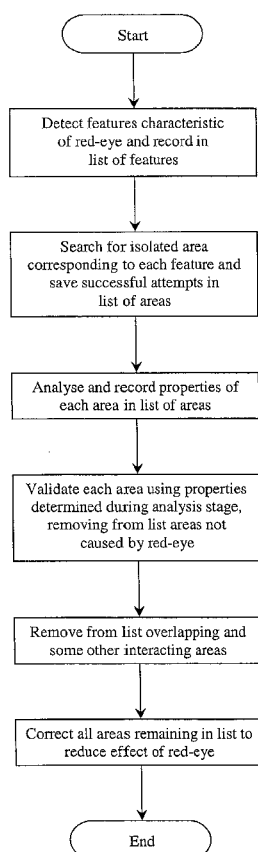
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(54) Title: DETECTION AND CORRECTION OF RED-EYE FEATURES IN DIGITAL IMAGES



(57) Abstract: A method of correcting red-eye features in a digital image includes generating a list of possible features by scanning through each pixel in the image searching for saturation and/or lightness profiles characteristic of red-eye features. For each feature in the list, an attempt is made to find an isolated area of correctable pixels which could correspond to a red-eye feature. Each successful attempt is recorded in a list of areas. Each area is then analysed to calculate statistics and record properties of that area, and validated using the calculated statistics and properties to determine whether or not that area is caused by red-eye. Areas not caused by red-eye and overlapping areas are removed from the list. Each area remaining is corrected to reduce the effect of red-eye. More than one type of feature may be identified in the initial search for features.



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