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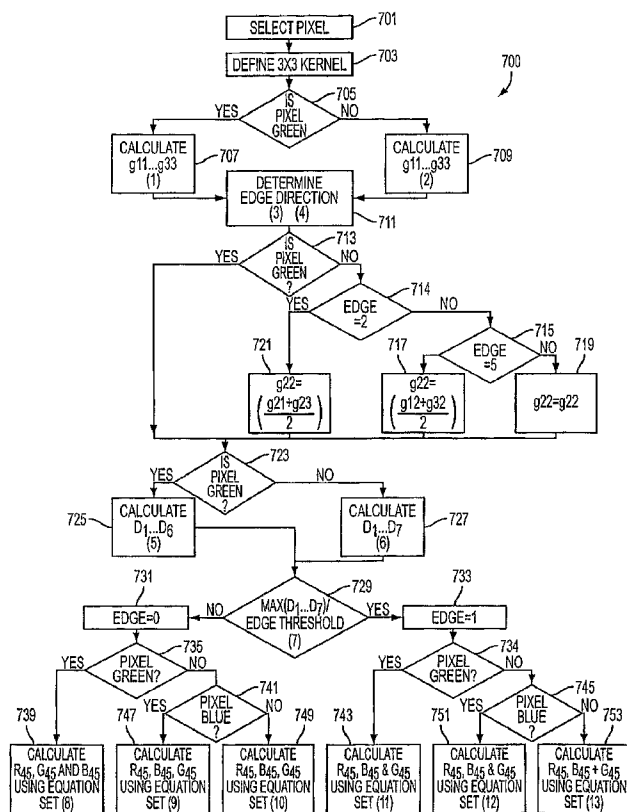
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(54) Title: METHOD AND APPARATUS PROVIDING COLOR INTERPOLATION IN COLOR FILTER ARRAYS USING EDGE DETECTION AND CORRECTION TERMS



(57) Abstract: A method and apparatus for color plane interpolation are provided which interpolates the color values of pixels differently depending on an edge direction and whether a pixel is at an edge within an image. The use of the edge detection during the interpolation of each of the colors present in the color pattern helps reduce some of the disadvantages of the loss of image sharpness abundant in known demosaicing techniques.

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