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Abstract



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HIGH QUALITY IMAGE COPIER WITH EXACT REPRODUCTION OF DIGITALLY HALFTONED IMAGES

The invention relates to a method of generating print data from a printed image produced by a printing device operating at a first dots per inch (dpi) value, so that the image is composed of a plurality of dots, the image incorporating defects resulting during printing of the image, such as rotation of a print medium and blemishes of the image. The method includes the step of scanning the printed image, at a sampling rate which corresponds to a second dpi value that exceeds the first dpi value by a predetermined factor so that each dot of the image results in the generation of at least two markers. Data relating to the position and colour value of each marker is generated. The defects in the image are detected and a data value is assigned to such defects. The data is processed and the data value is used to determine which of each of the markers generated for a respective dot should be recorded as a centre for that dot. Print data is generated as a result of the processing step, the print data relating to the position and print value of the markers determined as a result of processing the data.

(Figure 291)