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(54) Title: SECURITY DOCUMENTS WITH VOID MARKS VISIBLE FROM DIFFERENT ANGLES

(57) Abstract

A document that is substantially copy proof even using modern digital color copiers may also be constructed so that it is scanner and image friendly. The document includes at least first through fourth areas each having colored background lines at a first angle and colored VOID lines at a second angle, the second angle being at least 20° different than the first angle, but not 70-110° or 160-200° different. At least one of the first and second angles for each of the areas is at least about 10° different than the first and second angles for the other areas. Substantially all of the background and VOID lines have a black content of at least 15 % and a density of between about 7-22 %. For scanner and image friendly documents the density must be between about 10-12 %. All of the lines in the areas have an average maximum line width variation of about 0.0005 inches. The background and VOID lines typically all have a frequency of between about 97-103 lines per inch. The document includes first and second quality control sections adjacent opposite edges of the document, the first quality control section having a density that is about 2 % greater than the main body of the document, and the second quality control control section having a density that is about 5 % greater.

