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ANTI-COUNTERFEITING METHOD AND APPARATUS USING DIGITAL
SCREENING

ABSTRACT

An apparatus and process for hiding the secondary image within the primary image and generating a high quality hard copy of the unified elemental image of a variety of media. The process comprises the steps of rasterizing the first image
5 into an first elemental image and rasterizing the second image, compensated with its own inverse, into an second elemental image. The first elemental image and the second elemental image are merged into a unified elemental image based on a predetermined decoding and compensating principle, resulting in the second elemental image being hidden within the first elemental image. An output image is created
10 based on the unified elemental image where the primary image is visible to an un-aided eye while the secondary image is hidden from the un-aided eye.

(Fig 13)



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