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Fan

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[54] **ANTI-COUNTERFEIT PATTERN DETECTOR AND METHOD** 5,216,724 6/1993 Suzuki et al. 382/289

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[57] **ABSTRACT**

[51] **Int. Cl.⁶** **G06K 9/00**

An anti-counterfeit detector and method for identifying whether a platen image portion to be photocopied contains one or several pre-selected monetary note patterns. The detection is performed in a rotation and shift invariant manner. Specifically, the pattern can be of any orientation and at any location of the image. Moreover, it can be embedded in any complicated image background.

[52] **U.S. Cl.** **382/135; 382/199; 382/209; 382/287; 382/288**

[58] **Field of Search** 382/135, 199, 382/200, 209, 217, 218, 219, 266, 267, 278, 286, 287, 288, 289, 290, 291, 292; 355/201

[56] **References Cited**

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14 Claims, 4 Drawing Sheets

