

METHOD AND APPARATUS FOR TRANSACTION CARD SECURITY
UTILIZING EMBEDDED IMAGE DATA

ABSTRACT OF THE DISCLOSURE

A highly secure personal identification badge is achieved by having an area which contains machine readable information and also having a printed region having embedded data in the image printed thereon. A method of
5 producing the identification badge, includes the steps of: forming a digital image of the badge holder; generating an array of random numbers using a random number generator that employs a seed value; adding the array of random numbers to the digital image to produce a modified digital image; and printing the modified digital image on the identification badge. The badge is authenticated by scanning
10 the image on the identification badge to produce a recovered digital image; and correlating the array of random numbers with the recovered digital image to produce a validity check of the identification badge.



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