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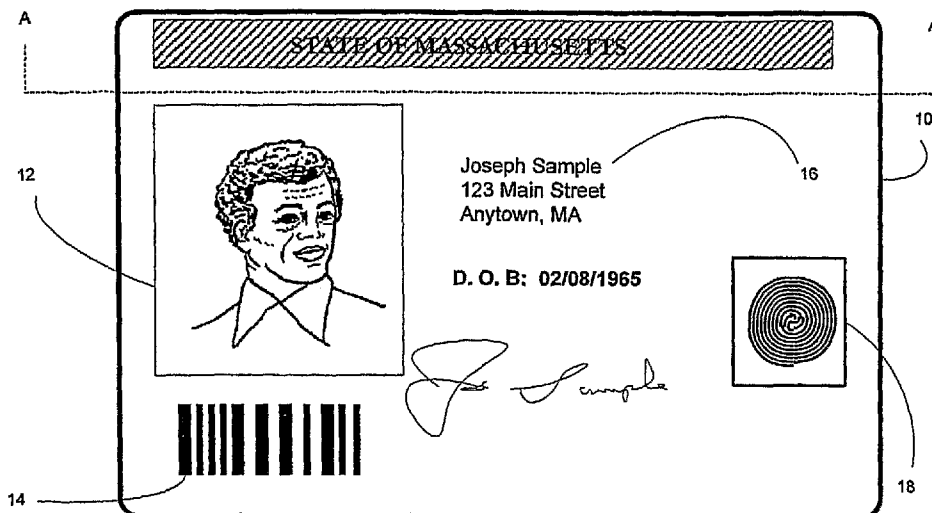
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(54) Title: SECURE CORE MATERIAL FOR DOCUMENTS



(57) Abstract: Addition of a covert attribute to a particle in a polymer matrix, such as a UV pigment or hidden layer of material, allows a covert, forensic characteristic and a mathematical description to be calculated and then captured on it in the barcode (14), magnetic stripe or digital watermark on an ID document.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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USPC: 235/487

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 235/487

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2002/0168513 A1 (HATTORI et al) 14 November 2002 (14.11.2002), page 3, paragraph 0075.	1-2, 6-7, 13, 16-17, 21-22, 25, 28 ----- 3-5, 8-12, 14-15, 18-20, 23-24, 26-27, 29-30
Y	US 2004/0181671 A1 (BRUNDAGE et al) 16 September 2004 (16.09.2004), figure 1.	9, 23-24
Y	US 4,046,287 (HOEKSTRA et al) 06 September 1977 (06.09.1977), column 11, lines 35-40.	9, 23-24
Y	US 2005/0031838 A1 (LAGUNOWICH et al) 10 February 2005 (10.02.2005), pages 3-4.	3-5, 8, 9-12, 14-15, 18-20, 23-24, 26-27, 29-30

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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