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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTERLOCKING DOCUMENT SECURITY FEATURES USING INCOMPATIBLE INKS

(57) Abstract: A security feature for an identification document comprises a base document layer, including a first image printed with a covert ink, and a personalized image relating to a bearer of the document (such as a facial photo) printed over the first image. The personalized image is printed with an ink that is incompatible with the covert ink such that the first image becomes overt within the personalized image upon printing of the personalized image. This feature creates an interlocking relationship between the covert image, which may be pre-printed prior to personalization on card stock, and personalized information printed over the covert image. Variations of this feature can be made in which the first image is not covert, yet still creates an interlocking relationship due to ink incompatibilities. Further, the second image may depict information other than personal information.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G06K 19/00**(2006.01);**G06K 19/06**(2006.01);**B42D 15/00**(2006.01);**B41M 5/00**(2006.01);**B44C 1/17**(2006.01);**G03G 7/00**(2006.01);**B32B 3/00**(2006.01);**B32B 5/16**(2006.01);**B32B 7/14**(2006.01)

USPC: 235/487,491;283/72,117;428/195.1,204,916

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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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)

USPAT, US-PGPUB, USOCR, EPO, JPO, DERWENT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,234,537 B1 (GUTMANN et al.) 22 May 2001 (22.05.2001), abstract, figures 9, 10, 11 and 12, column 1, lines 25-30, column 2, lines 29-36, column 3, lines 5-15, column 4, lines 8-53, column 8, line 45 - column 9, line 30	1,2,5-18,20 ----- 3,4,19
Y	US 5,310,222 (CHATWIN et al.) 10 May 1994 (10.05.1994), column 2, lines 44-68, column 3, lines 16-32	3,4,19

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Further documents are listed in the continuation of Box C.

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See patent family annex.

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

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