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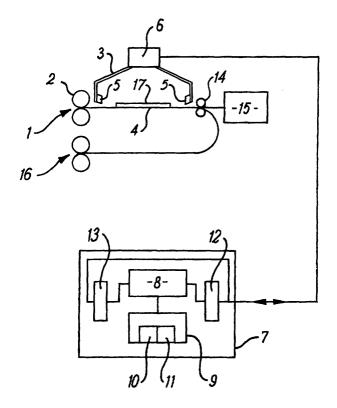
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(54) Authentication of banknotes

(57) A method for authentication of bank notes involves analysing light received from a surface of the bank note and comparing properties of the light with reference properties pertaining to a genuine such surface. The properties are compared with reference to transi-

tions at edges of design material on the surface. The bank note is advanced through a chamber (3) on a support belt (4) where it is illuminated by monochromatic light sources (5). Reflected light is received by a scanner (6)





EUROPEAN SEARCH REPORT

Application Number EP 00 31 1408

		ERED TO BE RELEVANT		
Category	Citation of document with in of relevant pass	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Х	US 5 483 602 A (STE 9 January 1996 (199	1-7	G07D7/12 G07D7/20	
Y	* column 2, line 31 * column 4, line 38 figure *	8-19		
Y,D	GB 2 122 743 A (ARN 18 January 1984 (19 * page 1, line 128 figure *	84-01-18)	8-19	
Χ	US 4 464 786 A (NIS 7 August 1984 (1984		1,16	
A	* column 2, line 36	- line 65; figures 1-5	2-15, 17-19	
A			1,16	TECHNICAL FIELDS
_				SEARCHED (Int.Cl.7)
A	EP 0 509 916 A (BAN 21 October 1992 (19 * column 6, line 16 figures 1-15D *	QUE DE FRANCE) 92-10-21) - column 14, line 49;	1,16	G07D
A			1,16	
· · · · ·	The present search report has I	peen drawn up for all claims		
	Place of search	Date of completion of the search	<u></u>	Examiner
	THE HAGUE	22 October 2003	Riv	vero, C
X : part Y : part doc A : tect O : nor	CATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone licularly relevant if combined with anot ument of the same category noological background —written disclosure immediate document	T: theory or principl E: earlier patent do after the filing da D: document cited i L: document cited for 8: member of the si document	cument, but publite n the application or other reasons	ished on, or

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 31 1408

This annex lists the patent family members relating to the patent documents cited in the above~mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-10-2003

JS 5483602 GB 2122743 JS 4464786 JS 5358088	A A	09-01-1996 18-01-1984 07-08-1984	DE AT DE DK EP ES GR JP PT SG	4227613 A1 187003 T 59309880 D1 585724 T3 0585724 A2 2138608 T3 3032464 T3 6318282 A 585724 T 65600 A1 3323313 A1 455547 B 8303525 A	15-12-1999 30-12-1999 3 17-04-2000 2 09-03-1994 3 16-01-2000 3 31-05-2000 15-11-1994 28-04-2000 22-06-1999
JS 4464786	A		SE SE	455547 B	18-07-1988
		07-08-1984	NONE		30-12-1983
JS 5358088	A		NONE		
		25-10-1994	EP JP WO	0630508 A1 7503336 T 9412952 A1	06-04-1995
EP 509916	A	21~10~1992	FR DE DE EP IE OA RU	2675428 A1 69205875 D1 69205875 T2 0509916 A1 921298 A1 9539 A 2069626 C1	14-12-1995 2 13-06-1996 1 21-10-1992 1 21-10-1992 15-11-1992
JS 4349111	Α	14-09-1982	NONE		

FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82