

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 878 781 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
02.06.1999 Bulletin 1999/22

(51) Int Cl.⁶: **G07D 7/00**

(43) Date of publication A2:
18.11.1998 Bulletin 1998/47

(21) Application number: **98830286.5**

(22) Date of filing: **13.05.1998**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Gatto, Stefano**
38025 Dimaro (Trento) (IT)

(74) Representative: **Lanzoni, Luciano**
c/o BUGNION S.p.A.
Via G. Garibaldi n. 19
37121 Verona (IT)

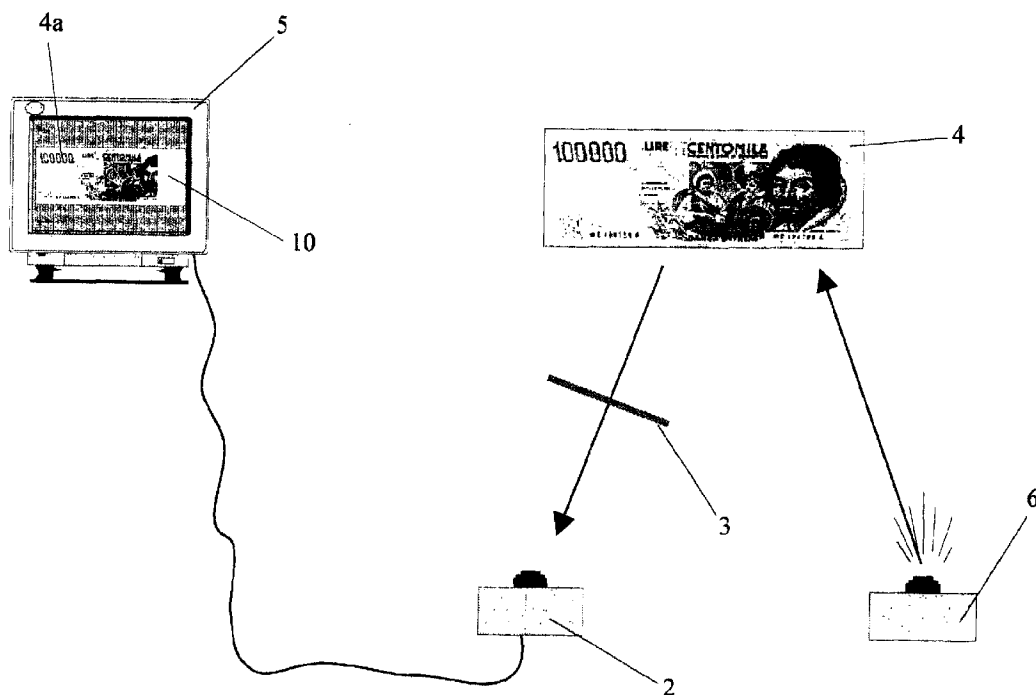
(30) Priority: **13.05.1997 IT VR970038**

(71) Applicant: **Gatto, Stefano**
38025 Dimaro (Trento) (IT)

(54) Device for detecting forged banknotes

(57) The present invention relates to a device for detecting forged banknotes, essentially comprising a sensor (2) which is sensitive to infrared rays, an infrared ray filter (3) which is arranged between the banknote (4) to be examined and the sensor, and a display (5) which is

connected to the sensor and able to convert the signals received from the sensor (2) into intelligible form. It is also envisaged using an emitter (6) designed to project infrared rays onto the banknote (4). In this way, the sensor receives, via the filter (3), the reflected image of the banknote (4) generated by the infrared rays alone.

**Fig. 3****EP 0 878 781 A3**



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 83 0286

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	GB 2 273 353 A (VANDENBERG MICHAEL EDWARD ;HENLEY COLIN STEPHEN (GB)) 15 June 1994 * claim 1; figure 2 *	1-17	G07D7/00
A	US 5 304 813 A (DE MAN IVO) 19 April 1994 * claim 1; figure 1 *	1-17	
A	EP 0 606 654 A (CANON KK) 20 July 1994 * claim 1; figure 1 *	1-17	
A	WO 95 19019 A (HOPWOOD JOHN GEOFFREY ;SKIPPER PHILIP ROBERT (GB); BARON LYDIA (GB) 13 July 1995 * claim 1; figure 2 *	1-17	
A	US 5 483 604 A (SALISBURY RICHARD) 9 January 1996 * claim 1; figure 1 *	1-17	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			G07D
Place of search		Date of completion of the search	Examiner
THE HAGUE		13 April 1999	Kirsten, K
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04-001)

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

EP 98 83 0286

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.

13-04-1999

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2273353	A	15-06-1994	NONE	
<hr/>				
US 5304813	A	19-04-1994	DE 59208542 D	03-07-1997
			EP 0537431 A	21-04-1993
			ES 2103330 T	16-09-1997
			FI 924620 A	15-04-1993
			JP 5282432 A	29-10-1993
			US 5498879 A	12-03-1996
<hr/>				
EP 0606654	A	20-07-1994	JP 6204446 A	22-07-1994
			JP 6205160 A	22-07-1994
			JP 6205168 A	22-07-1994
			JP 6205161 A	22-07-1994
			CA 2112736 A	02-07-1994
<hr/>				
WO 9519019	A	13-07-1995	GB 2291705 A	31-01-1996
			AU 1324895 A	01-08-1995
			AU 5820094 A	15-08-1994
			CA 2179994 A	13-07-1995
			CN 1141682 A	29-01-1997
			EP 0679279 A	02-11-1995
			EP 0738408 A	23-10-1996
			JP 8505253 T	04-06-1996
			JP 9507326 T	22-07-1997
<hr/>				
US 5483604	A	09-01-1996	GB 2264779 A	08-09-1993
<hr/>				