



(19)

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 753 623 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
20.08.1997 Bulletin 1997/34

(51) Int. Cl.⁶: D21H 21/48, G07D 7/00

(43) Date of publication A2:
15.01.1997 Bulletin 1997/03

(21) Application number: 96111103.6

(22) Date of filing: 10.07.1996

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

(30) Priority: 14.07.1995 IT MI951540

(71) Applicant:
MANTEGAZZA ANTONIO ARTI GRAFICHE S.r.l.
I-20021 Ospiate di Bollate (Milan) (IT)

(72) Inventors:
• Giustiniani, Mario
00187 Roma (IT)
• Mantegazza, Antonio
20090 Opera (IT)

(74) Representative: Modiano, Guido, Dr.-Ing. et al
Modiano & Associati S.r.l.
Via Meravigli, 16
20123 Milano (IT)

(54) Security sheet, particularly of the type that includes an electrically conducting element

(57) The present invention relates to a security sheet, usable in particular in the paper industry, which includes an electrically conductive element which, by virtue of detection devices, allows precise detection and easy monitoring and is therefore particularly adapted as an anti-forgery system in the production of security documents, such as currency bills, checks, and personal identification documents.

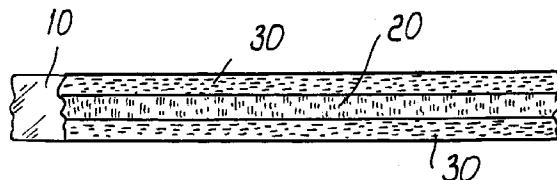


Fig. 2



EUROPEAN SEARCH REPORT

Application Number
EP 96 11 1103

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 5 112 672 A (KAULE WITTICH ET AL) 12 May 1992 * column 1, line 45 - line 51; figure 3 * * column 3, line 54 - line 65; claims 2,4 * ---	1,8-11, 17,23, 24,33	D21H21/48 G07D7/00
A	US 4 231 593 A (BELL JR VINCENT G ET AL) 4 November 1980 * column 2, line 15-37; figure 3 *	1,10,11, 17, 23-25,33	
A	US 4 183 989 A (TOOTH ALAN J) 15 January 1980 * claims 1-13 *	1,10,11, 17, 23-25,33	
A	US 5 354 099 A (KAULE WITTICH ET AL) 11 October 1994 * figures 3,5 *	1,10,11, 17, 23-25,33	
A	DE 29 09 731 A (OESTERR NATIONALBANK) 20 September 1979 See the whole document -----		TECHNICAL FIELDS SEARCHED (Int.Cl.6) D21H G07D
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
MUNICH	25 June 1997	Naeslund, P	
CATEGORY OF CITED DOCUMENTS		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	
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			