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(54) **Improvements in security features**

(57) The invention pertains to a security element such as a security thread (1) for a security document comprising at least one layer of metallization (2) or metallic print, wherein said layer (2) is electric contact with at least one sacrificial element (5) protecting the metallization (2) or metallic print from corrosion. it furthermore pertains to a method for making such a security thread, a security document comprising such a security thread, and to a method for making such a security document.

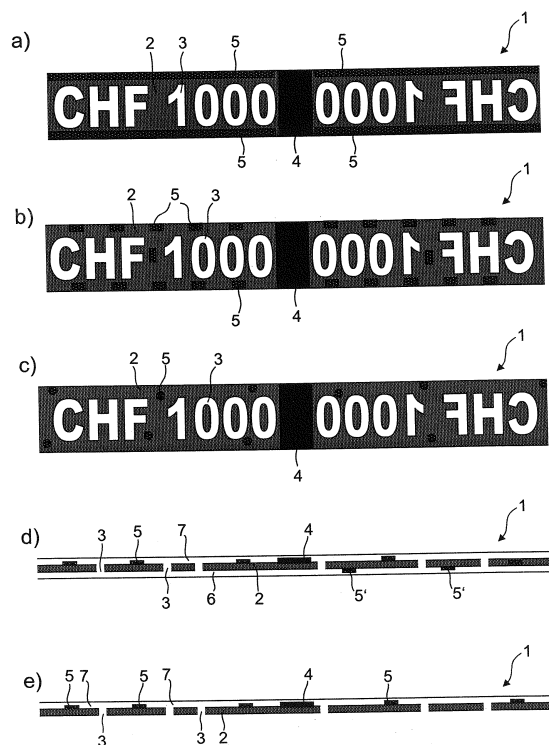


FIG. 1

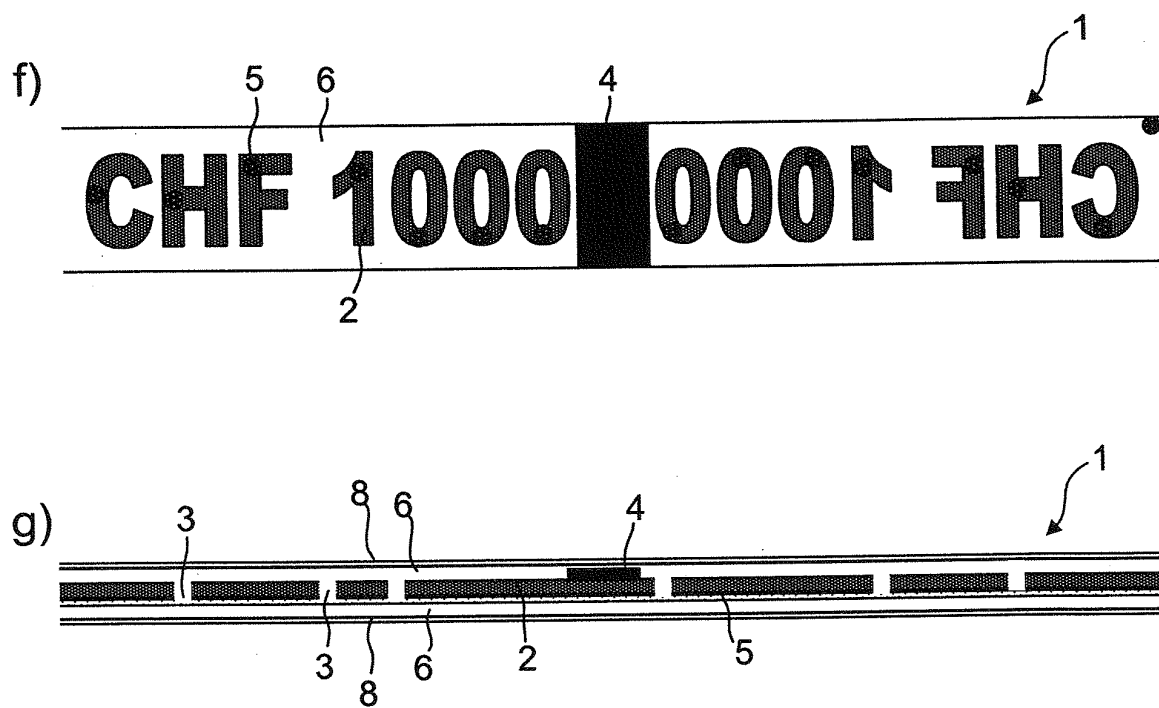


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 12 16 7814

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	WO 2004/072186 A1 (FLEX PRODUCTS INC A JDS UNIPHA [US]) 26 August 2004 (2004-08-26) * WPI & EPO abstracts; paragraphs [0021] - [0023] * -----	1-14	INV. B42D15/00 B41M3/14 D21H21/42 G07D7/00 C09D11/00
A	GB 483 142 A (STANLEY BEAUMONT CHAMBERLAIN) 12 April 1938 (1938-04-12) * the whole document * -----	1-14	
A	US 2 143 406 A (BEAUMONT CHAMBERLAIN STANLEY) 10 January 1939 (1939-01-10) * the whole document * -----	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			B42D B41M D21H G07D C09D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 15 May 2013	Examiner Callan, Feargel
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			

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EPO FORM 1503 03.82 (P04C01)

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

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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
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15-05-2013

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004072186	A1	26-08-2004	AU 2003285720 A1	06-09-2004
			BR 0318086 A	20-12-2005
			CA 2515587 A1	26-08-2004
			CN 1748006 A	15-03-2006
			EP 1594926 A1	16-11-2005
			EP 2351797 A1	03-08-2011
			PL 212104 B1	31-08-2012
			RU 2333230 C2	10-09-2008
			TW I333085 B	11-11-2010
			US 2004166308 A1	26-08-2004
			US 2007098989 A1	03-05-2007
			WO 2004072186 A1	26-08-2004

GB 483142	A	12-04-1938	NONE	

US 2143406	A	10-01-1939	DE 640232 C	28-12-1936
			FR 793430 A	24-01-1936
			GB 440421 A	23-12-1935
			US 2143406 A	10-01-1939
