

Europäisches Patentamt European Patent Office

Office européen des brevets



EP 0 737 595 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 18.12.1996 Bulletin 1996/51

(51) Int. Cl.⁶: **B42D 15/10**

(11)

(43) Date of publication A2: 16.10.1996 Bulletin 1996/42

(21) Application number: 96108494.4

(22) Date of filing: 27.04.1990

(84) Designated Contracting States:

AT BE CH DE DK ES FR GB IT LI LU NL SE

(30) Priority: **27.04.1989 AU PJ3915**/89 **31.08.1989 AU PJ6067**/89

(62) Application number of the earlier application in accordance with Art. 76 EPC: **90906739.9**

- (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY Saint Paul, Minnesota 55133-3427 (US)
- (72) Inventor: Radclyffe, Edward Stanley
 Ainslie, Australian Capital Terr. 2602 (AU)
- (74) Representative: Jackson, David Spence et al REDDIE & GROSE
 16, Theobalds Road London, WC1X 8PL (GB)

(54) Security document

A component bearing an image is produced by printing the image (12) on a layer (11) of a high temperature glue which has been applied to a layer of a transparent medium (10). The image is printed on the glue layer using carbon or a carbon-containing compound that does not flow when applied to the glue surface. The component consisting of transparent medium, high temperature glue and image is then bonded to a substrate (13) using a thermal bonding process to produce a laminate of the transparent medium and the substrate. The image is not distorted by the thermal bonding process, but remains clearly visible through the transparent medium. Typically the transparent medium will be a polyester film or a sheet of glass beads dispersed in glue. One or more additional layers (27) may be bonded to the substrate (13) to increase the stiffness of the product laminate.

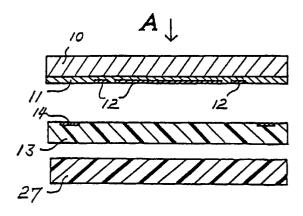


Fig./.



EUROPEAN SEARCH REPORT

Application Number EP 96 10 8494

Category	Citation of document with indica of relevant passag		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
E	PATENT ABSTRACTS OF JAvol. 14, no. 532 (M-10) 1990 & JP-A-02 223494 (MITS CORPORATION), 5 Septem*	SUBISHI ELECTRIC	1,9,17	B42D15/10
A	WO-A-83 00766 (GALLAGH March 1983 * the whole document *		1,7,19	
A	WO-A-82 04149 (HARRISO WYCOMBE)) 25 November * the whole document *	1982	1,7,19	
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)
				B42D
	The present search report has been of place of search THE HAGUE	drawn up for all claims Date of completion of the search 9 October 1996	Fva	Examiner ans, A
X: par Y: par doo A: tec	CATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with another ument of the same category hnological background a-written disclosure	T : theory or principl E : earlier patent doc after the filing da D : document cited in L : document cited fo	e underlying the nument, but pub- ite in the application or other reasons	e invention lished on, or n