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54 **Coating of polymeric substrates.**

57 A surface layer of a polymeric material, for instance an epoxy or other polymeric printing substrate, is prepared to receive a metal or other adherent coating by penetrating the surface layer with a first reactant and then with a second reactant that reacts in the surface layer to form pits that extend from the surface into the surface layer. The first reactant may comprise a pyrrole and the second reactant may comprise chromic acid.



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. 3)
X	GB-A-1 381 243 (KOLLMORGEN)  * claims; example III; page 1, lines 35-55; page 2, lines 99-106; page 2, lines 2-6 *	1-4, 6-8, 11, 14-16	B 41 N 3/00 B 41 N 1/12 C 08 J 7/14
X	FR-A-2 167 587 (SHIPLEY)  * claims; page 2, line 32 to page 4, line 34 * & GB - A - 1 361 760	1-4, 6-8, 11, 12, 14, 16	
X	DE-A-2 414 810 (ORION RADIO)  * claims; page 11, paragraph 4; page 9, last paragraph; page 10, wholly *	1-4, 6-8, 11, 14, 16	
X	US-A-3 619 245 (H. MACKAWA)  * abstract; claims; column 1, line 49 - column 3, line 28; column 3, lines 48-67., examples *	1, 2, 6, 7, 11, 16	C 23 C 18/24 C 23 C 18/24 B 41 N 3/00 B 41 N 1/12 B 41 M 1/30 G 03 C 1/80 C 08 J 7/14
X	US-A-3 518 067 (B.P. BARTH)  * claims; abstract; column 11, line 4 - column 12, line 27 *	1-4, 6-8, 11, 14, 16	
<div style="text-align: center;"> <p>---</p> <p>-/-</p> </div>			
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		10-09-1982	VANHECKE H.
<div style="display: flex; justify-content: space-between;"> <div> <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> </div> <div> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p> </div> </div>			

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# EUROPEAN SEARCH REPORT

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EP 81 30 5262

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Y,D	GB-A-1 524 717 (CROSFIELD ELECTRONICS) * claims *	15	
A	DE-A-2 831 126 (NIHON DENKI KAGAKU) * claims * & US - A - 4 299 863	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-09-1982	Examiner VANHECKE H.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			