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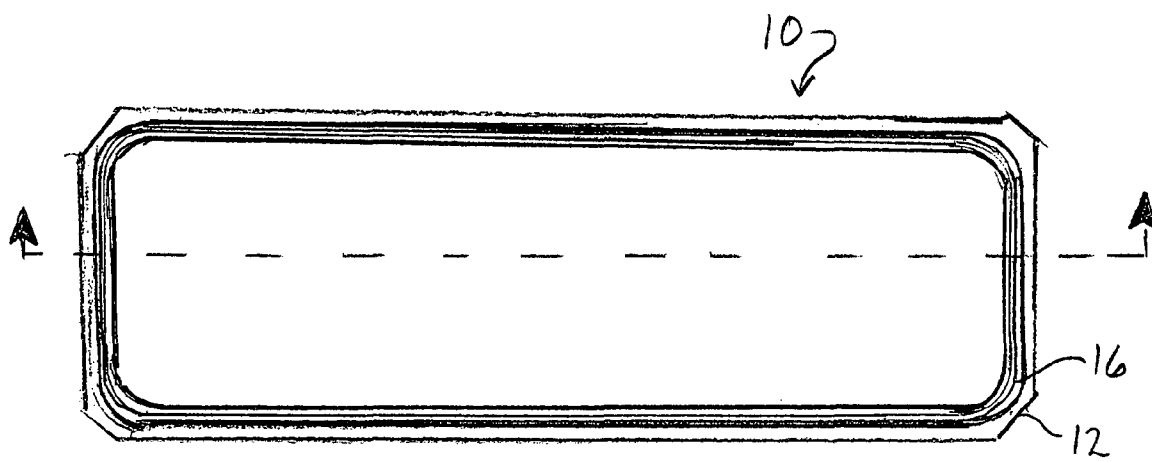
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(54) Title: FAST CURING FLUOROELASTOMERIC COMPOSITIONS, ADHESIVE FLUOROELASTOMERIC COMPOSITIONS AND METHODS FOR BONDING FLUOROELASTOMERIC COMPOSITIONS



(57) Abstract: Compositions including at least one curable fluoropolymer are disclosed which include at least one functional group for crosslinking the fluoropolymer, a curative capable of crosslinking the at least one fluoropolymer selected from the group consisting of functionalized biphenyl-based compounds, various monoamidine and monamidoxime compounds as well as bisamidine compounds and combinations thereof; and at least one cure accelerator which may be an organic peroxide or an organic peroxide in combination with a colorant. Adhesive fluoroelastomeric compositions comprising colorants are also provided. The compositions described provide beneficial physical properties, increased plasma resistance, unique adhesive properties and/or reduced contamination associated with use of external adhesive. Methods for forming articles which incorporate fluoroelastomers bonded to metallic surfaces are also provided.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/10423

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **C08F 114/20** (2006.01)

USPC: 525/194

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 525/194; 524/462, 520, 545, 546

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPAT, USPG-PUB, EPO, JPO, DERWENT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US H1736 A (LEGARE et al) 2 June 1998 (02.06.1998), abstract, line 1-4; column 1, line 54 - column 2, line 4; column 3, line 30-32; see working examples.	1-47
Y	US 3,489,727 A (DORFMAN et al) 13 January 1970 (13.01.1970), column 1, line 14-52; column 8, line 60-75; see working examples.	1-47
Y	US 3,734,976 A (DORFMAN et al) 22 May 1973 (22.05.1973), column 1, line 11-64; column 6, line 1-75; column 11, line 11-28; see working examples.	1-47

Further documents are listed in the continuation of Box C.

See patent family annex.

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